

LB88823

REDACTED

United States Environmental Protection Agency
Region 4



35TH AVENUE REMOVAL INVESTIGATION
BIRMINGHAM, ALABAMA
JEFF CROWLEY, ON-SCENE COORDINATOR

FIELD SAMPLING LOGBOOK

Book 1 of 2

Inclusive Dates: 1/7/2013 - 1/18/2013

List of Sampling Team in logbook:

Name	Initials	Organization/Duties
(b) (6)		<u>OTIE</u> , Team Leader
		<u>LRS</u>

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General Soil Descriptions

Color	Abbv
Black	blk
Brown	bwn
Light Brown	lt/bwn
Dark Brown	dk/bwn
Gray	gry
Light Gray	lt/gry
Olive Gray	olv/gry
Greenish Gray	grn/gry
Dark Gray	dk/gry
Tan	tn
Light Tan	lt/tn
Orange	Org
Red	Rd

Soils	Abbv
Clay	CL
Sandy Clay	sndy CL
Silty Clay	slty CL
Sand	Snd
Silty Sand	slty Snd
Silt	slt
Grass	grs
Organic	Org

Sizes	Abbv
Coarse	C
Coarse to medium	c-m
Coarse to fine	c-f
Medium to fine	m-f
Fine	f

Texture	Abbv
Hard	hrd
Dry	Dry
brittle	brt
Stiff	stf
Very Stiff	vry stf
soft	sft
Very Soft	vry sft
Damp	dmp
Wet	wt
Wet	wt

Sampling Procedures and Methodology

Unless specified elsewhere in this logbook, all soil samples will be collected in accordance with the EPA Science and Ecosystem Division (SESD) Field Branches Quality System and Technical Procedures (FBQSTP) Soil Sampling (SESDPROC-300-R2) based on the following design.

The total number of 5-point composite surface soil samples (0-4 inches below ground surface) to be collected from each property will be based on the lot size as follows:

- For residential properties with a total parcel lot size equal to or less than (\leq) 5,000 square feet - the front yard and back yards of each property. If the property has a substantial side yard (primarily corner lots), then one composite soil sample may also be collected from the side yard. Aliquots will be collected away from influences with drip lines and burn areas in a five dice configuration (each of the four corners and the center).
- For residential properties with a total parcel lot size greater than ($>$) 5,000 square feet and $\leq \frac{1}{4}$ -acre - the property should be divided into two roughly equal surface areas. If the property has a substantial side yard (primarily corner lots), then one composite soil sample may be collected from the side yard with the remainder of the property being divided into two roughly equal surface areas. Aliquots will be collected away from influences including drip lines and burn areas with reasonably equal spacing between aliquots.
- Residential properties over $\frac{1}{4}$ -acre in parcel lot size will be divided into $\frac{1}{4}$ -acre sections. When dividing any such property with a substantial side yard (primarily corner lots), one composite soil sample may be collected from the side yard. Aliquots will be collected away from influences including drip lines and burn areas in a five dice configuration, if possible, with reasonably equal spacing between aliquots.

Grab surface soil samples will be collected from apparent exposure pathways where active play sets are located.

Three-point composite surface soil samples will be collected from distinct vegetable gardens from each residential property.

Samples shall not be collected under paved areas or under stationary fixed structures.

Grab sediment samples will be collected in accordance with EPA SESD FBSTP Sediment Sampling (SESDPROC-200-R2) from any surface water drainage pathways located on individual properties, as directed by the OSC, and in and along the banks of the 34th Street North Ditch.

Each surface soil or sediment sample should be homogenized in a stainless steel bowl. One 8-ounce jar will be filled and the remaining sample material will be placed in zip-top bags for screening. Information identifying the location, sample, and date/time will be inscribed on each jar and zip-top bag.

All sample bags will be screened for metals in accordance with SESD FBQSTP Field XRF Measurement (SESDPROC-107-R2) using a Niton XRF. The sample will be dried before sieving or analysis is performed. Once the sample has dried, the sample will be divided into two subsamples; one subsample will be sieved through a #10 screen (2 mm) and the other will be left unsieved. Once separated into sieved and unsieved samples, the zip-top bag will be compressed by folding over the excess plastic and removing as much air and space from the sample as possible. The XRF will be placed directly on the exterior of the compressed sample in the plastic zip-top bag to measure metals concentrations. Following XRF screening, the unsieved portion of the sample material will be containerized into one 8-ounce jars and the sieved portion of the sample will be containerized into another 8-ounce jar.

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Based on the site DQOs the 8-ounce jars of surface soil and sediment samples should be submitted to PEL, Tampa, Florida (a NELAC certified laboratory) for low level PAH, and/or TCL SVOC, RCRA metals, PCB, and/or Hexavalent Chromium analysis. RCRA metals will be analyzed from both the sieved and unsieved portions of the sample. All other analysis will be conducted on the unsieved portion.

The location of each aliquot will also be logged in accordance with SESD FBQSTP Global Positioning System (SESDPROC- 110-R3) using a Trimble GPS.

A description of the color and texture of the aliquot material will be recorded in each box.

The **station ID** for each location will consist of seven characters, beginning with the six digit Property ID designation for the property followed by a alphabetic letter beginning with “A”.

e.g. CV0001A would be the station ID for the front yard 5-pt composite sample collected at the property with Property ID CV0001.

The **sample ID** for each sample is the station ID with “CS” (composite soil), “GS” (grab soil), “SD” (sediment), or “SW” (surface water) appended, therefore, the sample ID for this sample would be CV0001A-CS. Co-located duplicates will be designated by appending a “D” to the end of the sample ID. Pan splits will be identified by appending an “SP” to the end of the sample ID.

(b) (6)

ADDRESS:

PROPERTY ID: CVA-0111

DATE: 10/07/13

ARRIVAL TIME: 12:55

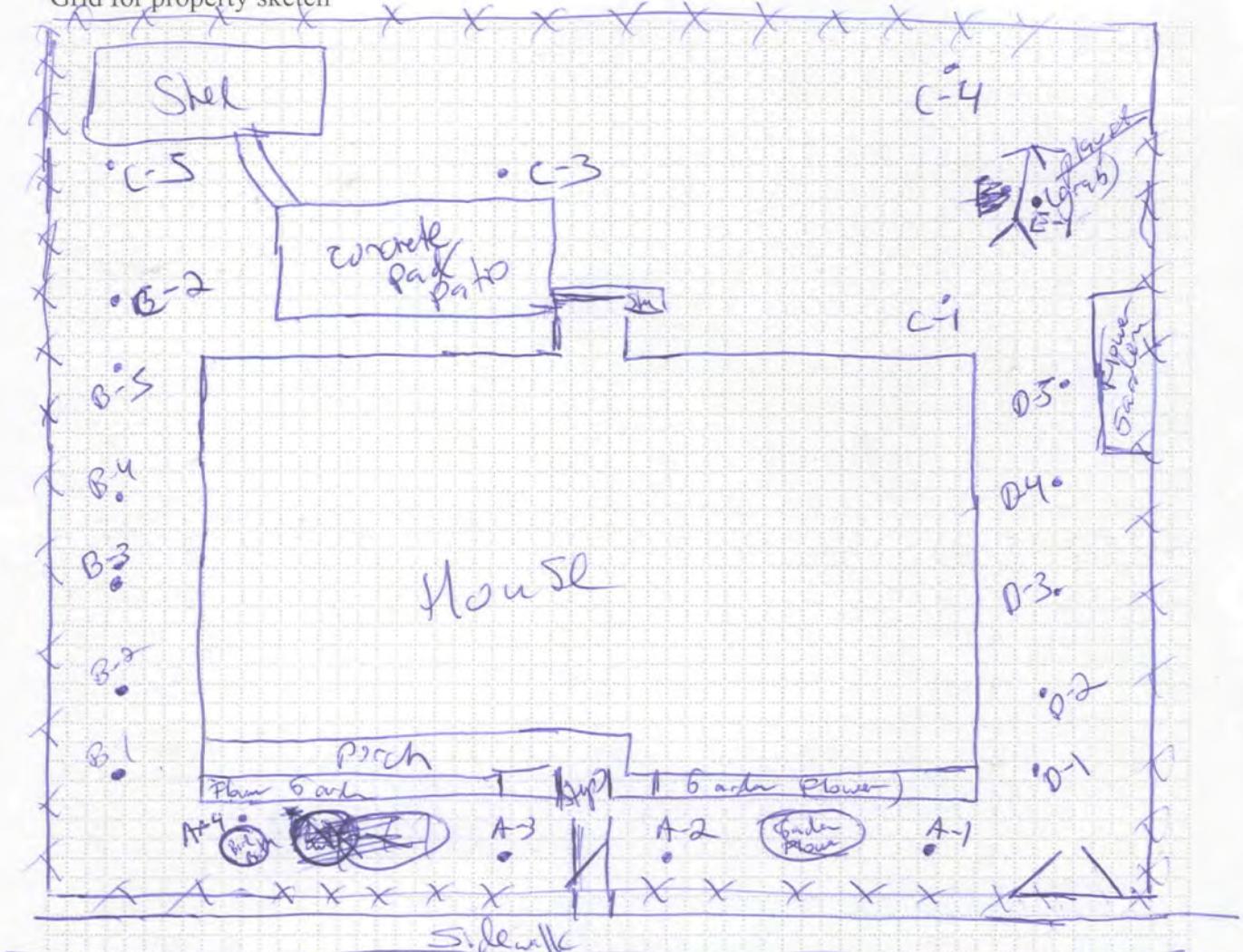
Other pertinent information (weather conditions, etc.):

56°, sunny

PROPERTY COMMENTS:

No vegetable garden, ~~playset~~
Playset in back yard

Grid for property sketch



(b) (6)

P Key Set

$$E \text{ to House} = 19.5 \text{ ft}$$

$$A-4 \text{ to } h_{min} = 16\text{ ft}$$

$$B-1 \text{ fthou} = 9^{\prime\prime}$$

C-4 to house = 41 ft

$$0 - 4 \text{ hours} = 6 \text{ ft}$$

STATION ID: CN-0111ASAMPLE ID: CN-0111A-CSSAMPLE COLLECTION TIME: 19123Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):
Front yardCollection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID:

GPS Coordinates: Trimble <input checked="" type="checkbox"/>	Instrument #: <u>018594</u>	Logged? <input checked="" type="checkbox"/> Y or N
Aliquot #1: Latitude: <u>33° 33' 32.856"</u>	N Longitude <u>86° 48' 17.541"</u>	W
Media description: <u>33° 33' 32.856"</u>	<u>Dark brown sity</u>	
Aliquot #2: Latitude: <u>33° 33' 32.951"</u>	N Longitude <u>86° 48' 17.540"</u>	W
Media description: <u>CN-0111A-2</u>	<u>Same soil</u>	
Aliquot #3: Latitude: <u>33° 33' 33.037"</u>	N Longitude <u>86° 48' 17.530"</u>	W
Media description: <u>CN-0111A-3</u>	<u>Same soil</u>	
Aliquot #4: Latitude: <u>33° 33' 33.135"</u>	N Longitude <u>86° 48' 17.515"</u>	W
Media description: <u>CN-0111A-4</u>	<u>Same soil</u>	
Aliquot #5: Latitude: <u>33° 33' 33.184"</u>	N Longitude <u>86° 48' 17.412"</u>	W
Media description: <u>CN-0111A-5</u>		

STATION ID: CN-0111BSAMPLE ID: CN-0111A-CSSAMPLE COLLECTION TIME: 1341Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):
Side yard (soil) (North)Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID:

GPS Coordinates: Trimble <input checked="" type="checkbox"/>	Instrument #: <u>018594</u>	Logged? <input checked="" type="checkbox"/> Y or N
Aliquot #1: Latitude: <u>33° 33' 33.184"</u>	N Longitude <u>86° 48' 17.412"</u>	W
Media description: <u>CN-0111B-1</u>	<u>Dark brown sity soil m-f damp</u>	
Aliquot #2: Latitude: <u>33° 33' 33.182"</u>	N Longitude <u>86° 48' 17.278"</u>	W
Media description: <u>CN-0111B-2</u>	<u>Same" soil</u>	
Aliquot #3: Latitude: <u>33° 33' 33.187"</u>	N Longitude <u>86° 48' 17.135"</u>	W
Media description: <u>CN-0111B-3</u>	<u>Same soil</u>	
Aliquot #4: Latitude: <u>33° 33' 33.185"</u>	N Longitude <u>86° 48' 16.982"</u>	W
Media description: <u>CN-0111B-4</u>	<u>Same soil</u>	
Aliquot #5: Latitude: <u>33° 33' 33.185"</u>	N Longitude <u>86° 48' 16.839"</u>	W
Media description: <u>CN-0111B-5</u>	<u>Same soil</u>	

(b) (6)

ADDRESS: _____

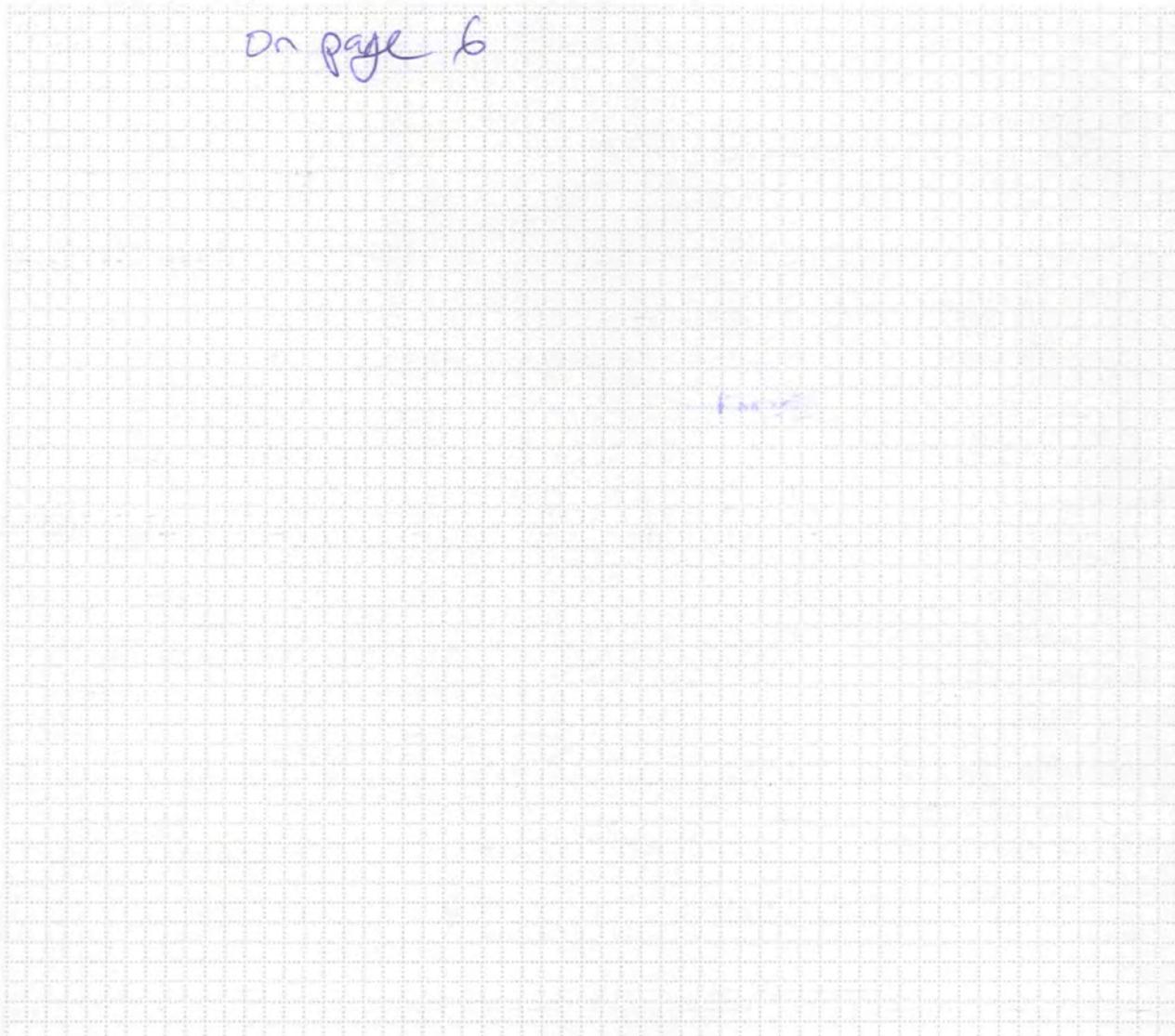
PROPERTY ID: EN0111(C02)

DATE: _____ ARRIVAL TIME: _____

Other pertinent information (weather conditions, etc.):

PROPERTY COMMENTS:

Grid for property sketch
On page 6



STATION ID: CNDIICSAMPLE ID: CNDIIC-CSSAMPLE COLLECTION TIME: 1345 / 1350(0)

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Back YardCollection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CNDIIC-SCSDGPS Coordinates: Trimble [X] Instrument #: 018594Logged? Y or NAliquot #1: Latitude: 33° 33' 32.823" N Longitude 86° 48' 16.742" WMedia description: CNDIIC-1brown silt m-f dampAliquot #2 Latitude: 33° 33' 33.198" N Longitude 86° 48' 16.731" WMedia description: CNDIIC-2Same soilAliquot #3: Latitude: 33° 33' 32.948" N Longitude 86° 48' 16.549" WMedia description: CNDIIC-3Same soilAliquot #4: Latitude: 33° 33' 32.810" N Longitude 86° 48' 16.341" WMedia description: CNDIIC-4Same soilAliquot #5: Latitude: 33° 33' 33.137" N Longitude 86° 48' 16.449" WMedia description: CNDIIC-5Same soilSTATION ID: CNDIIDSAMPLE ID: CNDIID-CSSAMPLE COLLECTION TIME: 1351

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Side yard (South) (North)Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID:GPS Coordinates: Trimble [X] Instrument #: 018954Logged? Y or NAliquot #1: Latitude: 33° 33' 32.762" N Longitude 86° 48' 17.426" WMedia description: CNDIID-1brown silt m-f dampAliquot #2 Latitude: 33° 33' 32.757" N Longitude 86° 48' 17.240" WMedia description: CNDIID-2Same soilAliquot #3: Latitude: 33° 33' 32.738" N Longitude 86° 48' 17.118" WMedia description: CNDIID-3Same soilAliquot #4: Latitude: 33° 33' 32.723" N Longitude 86° 48' 16.995" WMedia description: CNDIID-4Same soilAliquot #5: Latitude: 33° 33' 32.733" N Longitude 86° 48' 16.870" WMedia description: CNDIID-5Same soil

(b) (6)

ADDRESS:

PROPERTY ID: CW0111 (20.)

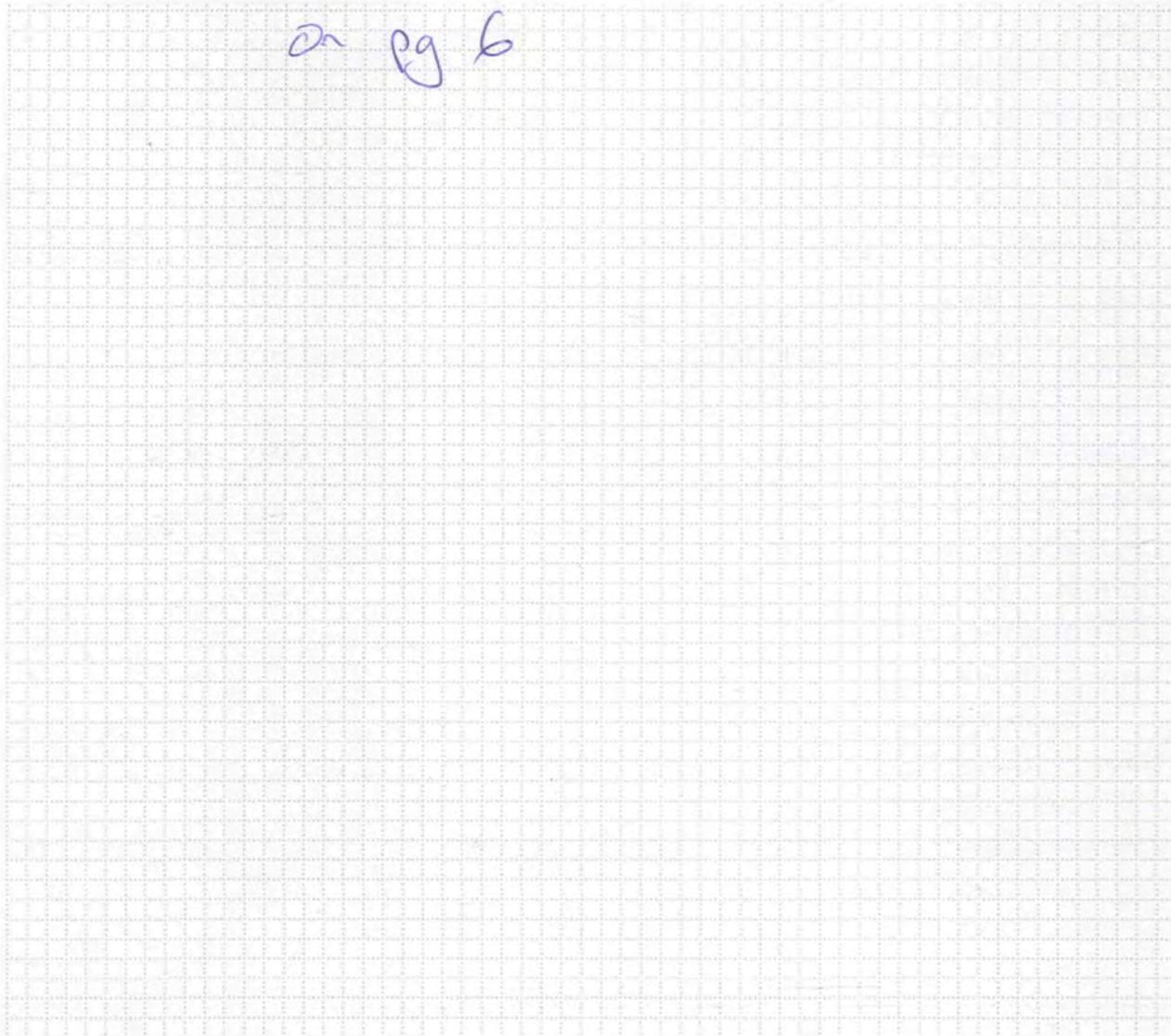
DATE: _____

ARRIVAL TIME: _____

Other pertinent information (weather conditions, etc.):

PROPERTY COMMENTS:

Grid for property sketch



STATION ID: CNOIIIE

SAMPLE ID: CNOIIIE-65

SAMPLE COLLECTION TIME: 1347

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

under playset

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID:

GPS Coordinates: Trimble Instrument #: 018954

Logged? Y or N

Aliquot #1: Latitude: 33° 33' 32.741" N Longitude 86° 48' 16.645" W

Media description: CNOIIIE-1 (Grab)

orange brown silty clay on top wet

Aliquot #2 Latitude: _____ N Longitude _____ W

Media description: _____

Aliquot #3: Latitude: _____ N Longitude _____ W

Media description: _____

Aliquot #4: Latitude: _____ N Longitude _____ W

Media description: _____

Aliquot #5: Latitude: _____ N Longitude _____ W

Media description: _____

STATION ID: _____ SAMPLE ID: _____

SAMPLE COLLECTION TIME: _____

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID:

GPS Coordinates: Trimble Instrument #: _____ Logged? Y or N

Aliquot #1: Latitude: _____ N Longitude _____ W

Media description: _____

Aliquot #2 Latitude: _____ N Longitude _____ W

Media description: _____

Aliquot #3: Latitude: _____ N Longitude _____ W

Media description: _____

Aliquot #4: Latitude: _____ N Longitude _____ W

Media description: _____

Aliquot #5: Latitude: _____ N Longitude _____ W

Media description: _____

(b) (6)

ADDRESS:

PROPERTY ID: CV-0615

DATE: 01/07/13

ARRIVAL TIME: 14:40

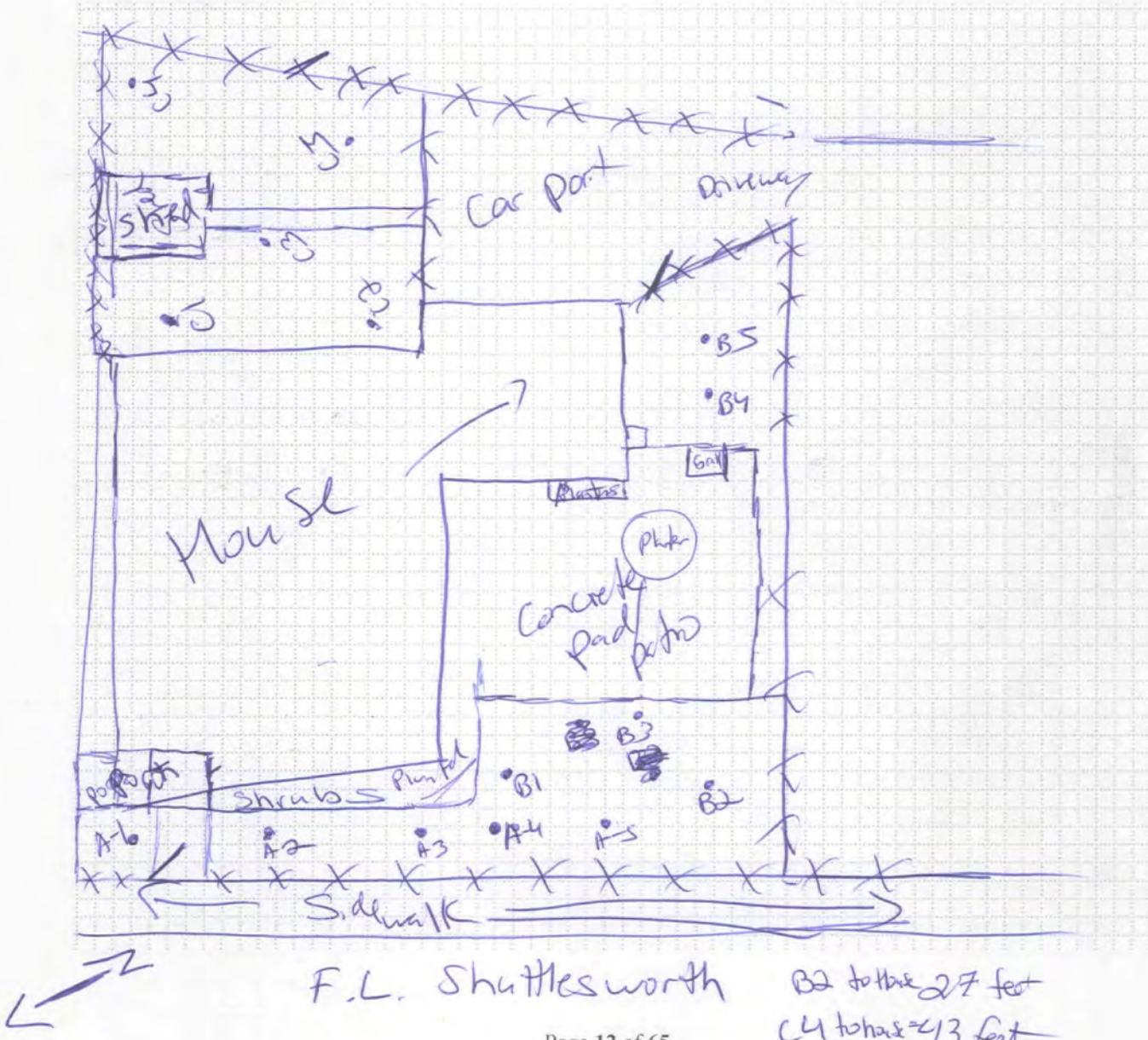
Other pertinent information (weather conditions, etc.):

54° ~~60°~~, sunny

PROPERTY COMMENTS:

no veg. garden or playset

Grid for property sketch



STATION ID: CV-0615A

SAMPLE ID: CV-0615A-CS

SAMPLE COLLECTION TIME: 15:17

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Front Yard

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or If yes, indicate Duplicate/split sample station ID:

GPS Coordinates: Trimble <input checked="" type="checkbox"/>	Instrument #: 018594	Logged? <input checked="" type="radio"/> Y or N
Aliquot #1: Latitude: 33-55627932°	N Longitude 86-80403642°	W
Media description: CV0615A-1	Bwn Silt Clay m wet	
Aliquot #2: Latitude: 33-55623626°	N Longitude 86-80404981°	W
Media description: CV0615A-2	Same soil	
Aliquot #3: Latitude: 33-55620171°	N Longitude 86-80406617°	W
Media description: CV0615A-3	Same soil	
Aliquot #4: Latitude: 33-55618514°	N Longitude 86-80407096°	W
Media description: CV0615A-4	Same soil	
Aliquot #5: Latitude: 33-55615140°	N Longitude 86-80409351°	W
Media description: CV0615A-5		

STATION ID: CV-0615B

SAMPLE ID: CV-0615B-CS

SAMPLE COLLECTION TIME: 15:21

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Side yard

Collection: Composite or GrabMS/MSD? Y or NField Duplicate or Split: Yes or If yes, indicate Duplicate/split sample station ID:

GPS Coordinates: Trimble <input checked="" type="checkbox"/>	Instrument #: 018594	Logged? <input checked="" type="radio"/> Y or N
Aliquot #1: Latitude: 33-55617298°	N Longitude 86-80402948°	W
Media description: CV0615B-1	Bwn Silt fm-f dmp	
Aliquot #2: Latitude: 33-55612104°	N Longitude 86-80403988°	W
Media description: CV0615B-2	Same soil	
Aliquot #3: Latitude: 33-55613734°	N Longitude 86-80397609°	W
Media description: CV0615B-3	Same soil	
Aliquot #4: Latitude: 33-55609988°	N Longitude 86-80383392°	W
Media description: CV0615B-4	Same soil	
Aliquot #5: Latitude: 33-55609607°	N Longitude 86-80378026°	W
Media description: CV0615B-5	Same soil	

(b) (6)

ADDRESS: _____

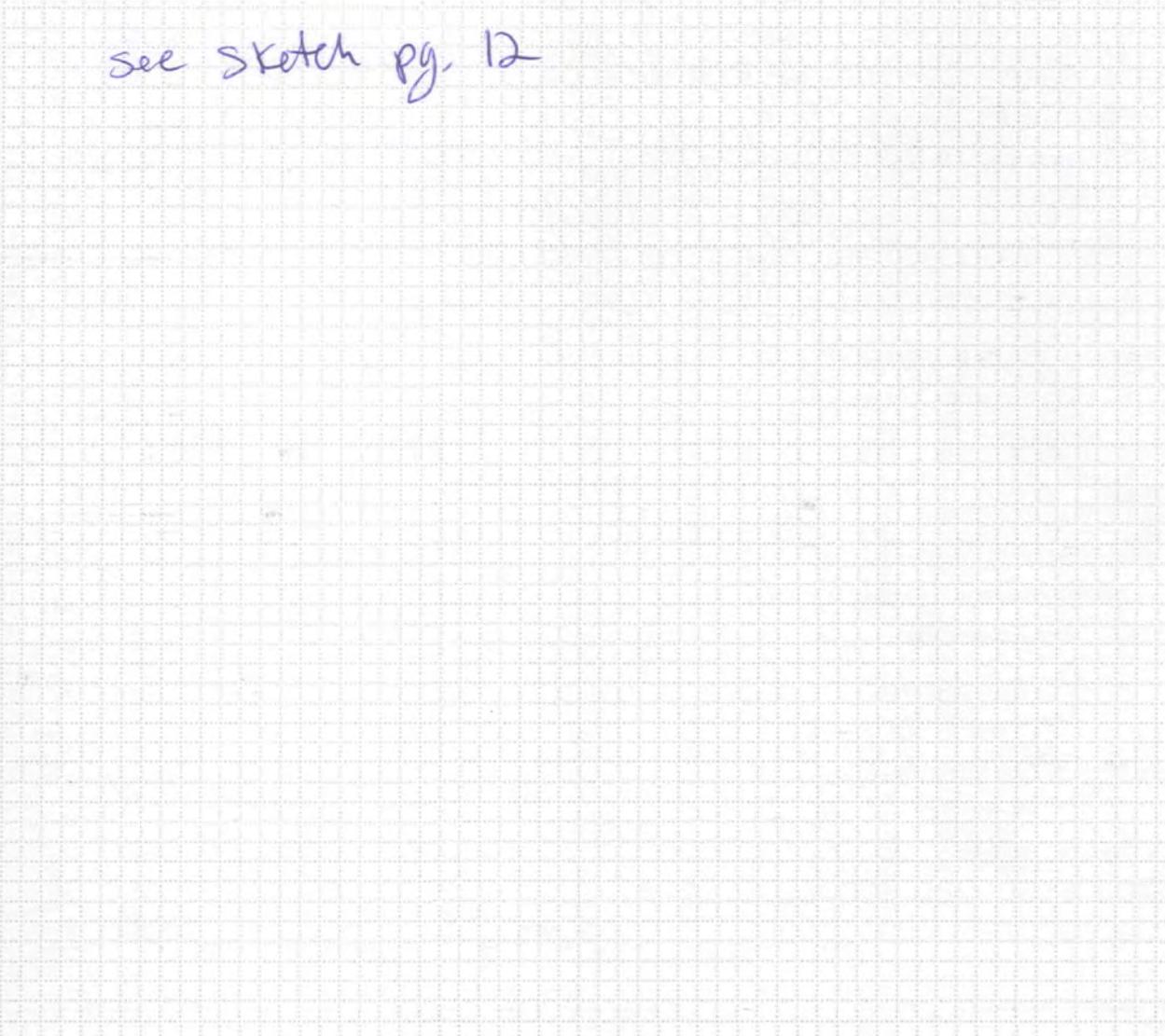
PROPERTY ID: UV0615 (con)

DATE: _____ ARRIVAL TIME: _____

Other pertinent information (weather conditions, etc.):

PROPERTY COMMENTS:

Grid for property sketch
see sketch pg. 12



STATION ID: CV-0615C SAMPLE ID: CV-0615C-CS

SAMPLE COLLECTION TIME: 1540

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Back yard

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID:

GPS Coordinates: Trimble <input checked="" type="checkbox"/>	Instrument #:	<u>018594</u>	Logged? <input checked="" type="checkbox"/>	Y or N
Aliquot #1: Latitude:	<u>33-556241668°</u>	N Longitude	<u>86-803772440°</u>	W
Media description:	<u>CN0615C-1</u> <u>Bwn silt cl m wet</u>			
Aliquot #2 Latitude:	<u>33-55619798°</u>	N Longitude	<u>86-80377580°</u>	W
Media description:	<u>CN0615C-2</u> <u>same soil</u>			
Aliquot #3: Latitude:	<u>33-556224172°</u>	N Longitude	<u>86-80372669°</u>	W
Media description:	<u>CV0615C-3</u> <u>same soil</u>			
Aliquot #4: Latitude:	<u>33-55624621°</u>	N Longitude	<u>86-80360543°</u>	W
Media description:	<u>CV0615C-4</u> <u>sgry soil</u>			
Aliquot #5: Latitude:	<u>33-55618450°</u>	N Longitude	<u>86-80365634°</u>	W
Media description:	<u>CV0615C-5</u> <u>Same soil</u>			

STATION ID: _____ SAMPLE ID: _____

SAMPLE COLLECTION TIME: _____

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID:

GPS Coordinates: Trimble <input type="checkbox"/>	Instrument #:	_____	Logged? <input type="checkbox"/>	Y or N
Aliquot #1: Latitude:	_____	N Longitude	_____	W
Media description:	_____			
Aliquot #2 Latitude:	_____	N Longitude	_____	W
Media description:	_____			
Aliquot #3: Latitude:	_____	N Longitude	_____	W
Media description:	_____			
Aliquot #4: Latitude:	_____	N Longitude	_____	W
Media description:	_____			
Aliquot #5: Latitude:	_____	N Longitude	_____	W
Media description:	_____			

(b) (6)

ADDRESS:

PROPERTY ID: CV-0115

DATE: 01/08/2013

ARRIVAL TIME: 0835

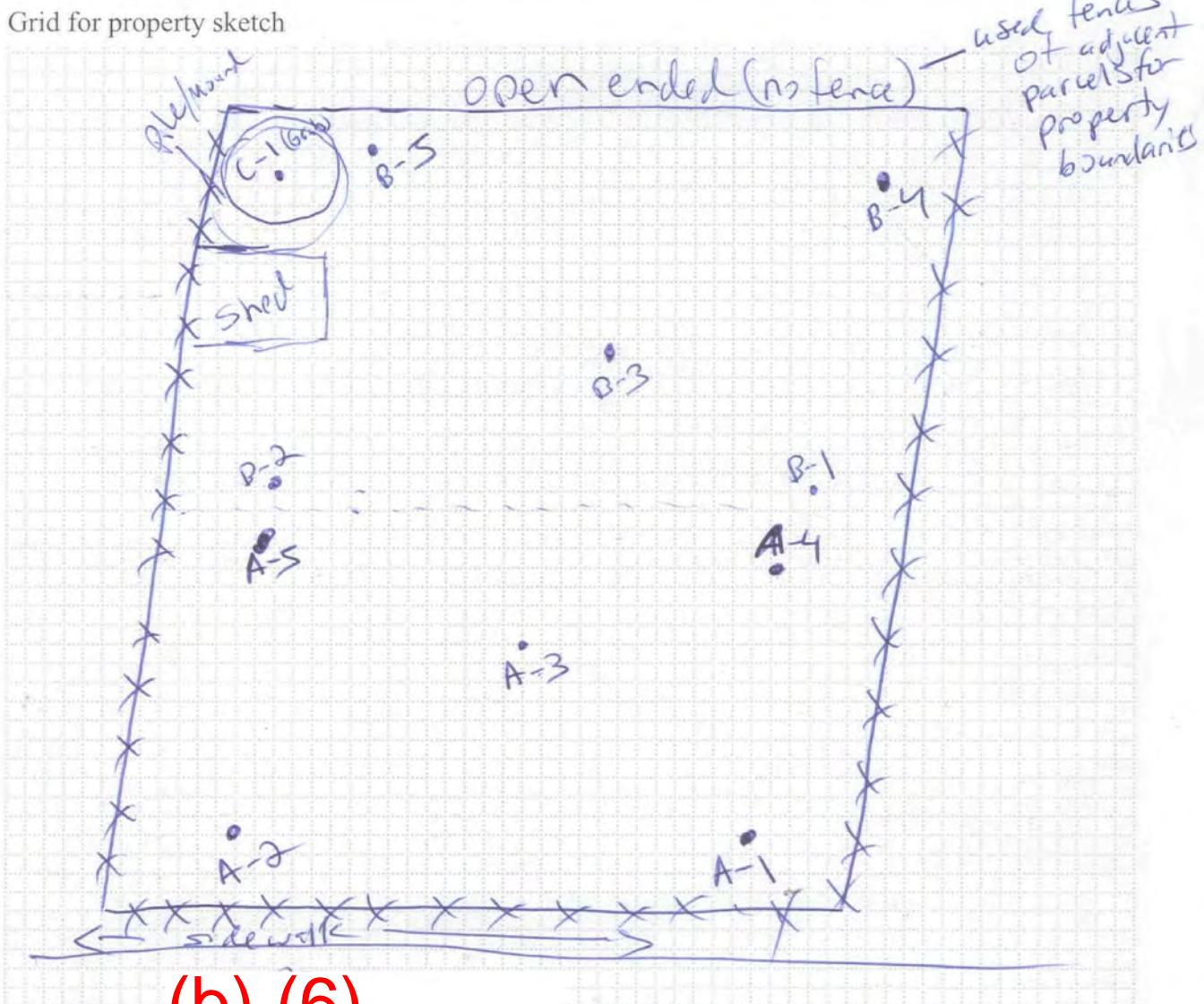
Other pertinent information (weather conditions, etc.):

Cloudy, 49°

PROPERTY COMMENTS:

Mostly vacant parcel (shed in NE area)

Grid for property sketch



(b) (6)

STATION ID: CV-0115A

SAMPLE ID: CV-0115A-CS

SAMPLE COLLECTION TIME: 0927

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

West 1/2 side of yard

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID:

GPS Coordinates: Trimble [X]	Instrument #: 018594	Logged? <input checked="" type="checkbox"/> Y or N
Aliquot #1: Latitude: 33.55956766°	N Longitude 86-80485274° W	cm
Media description: CV0115A-1	brown mixed w/grey pieces sand	dmp
Aliquot #2: Latitude: 33.55966613°	N Longitude 86-80484729° W	
Media description: CV0115A-2	same soil	
Aliquot #3: Latitude: 33.55961247°	N Longitude 86-80475157° W	
Media description: CV0115A-3	same soil	
Aliquot #4: Latitude: 33.55956608°	N Longitude 86-80469338° W	
Media description: CV0115A-4	same soil	
Aliquot #5: Latitude: 33.55965737°	N Longitude 86-80466685° W	
Media description: CV0115A-5	same soil	

STATION ID: CV-0115B

SAMPLE ID: CV-0115A-CS

SAMPLE COLLECTION TIME: 0934

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

East 1/2 side of yard

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID:

GPS Coordinates: Trimble [X]	Instrument #: 018594	Logged? <input checked="" type="checkbox"/> Y or N
Aliquot #1: Latitude: 33.55956114°	N Longitude 86-80462673° W	
Media description: CV0115B-1	brown gravel w/silt m dmp	
Aliquot #2: Latitude: 33.55965366°	N Longitude 86-80463515° W	
Media description: CV0115B-2	dk brown silt m dmp w/gravel	
Aliquot #3: Latitude: 33.55959386°	N Longitude 86-80456297° W	
Media description: CV0115B-3	brown gravel w/silt m dmp	
Aliquot #4: Latitude: 33.55952952°	N Longitude 86-80446969° W	
Media description: CV0115B-4	dk brown silt m dmp w/gravel	
Aliquot #5: Latitude: 33.55963530°	N Longitude 86-80446567° W	
Media description: CV0115B-5	dk brown silt m dmp w/gravel	

(b) (6)

ADDRESS

PROPERTY ID: evo115 (con.)

DATE: 01/08/2013

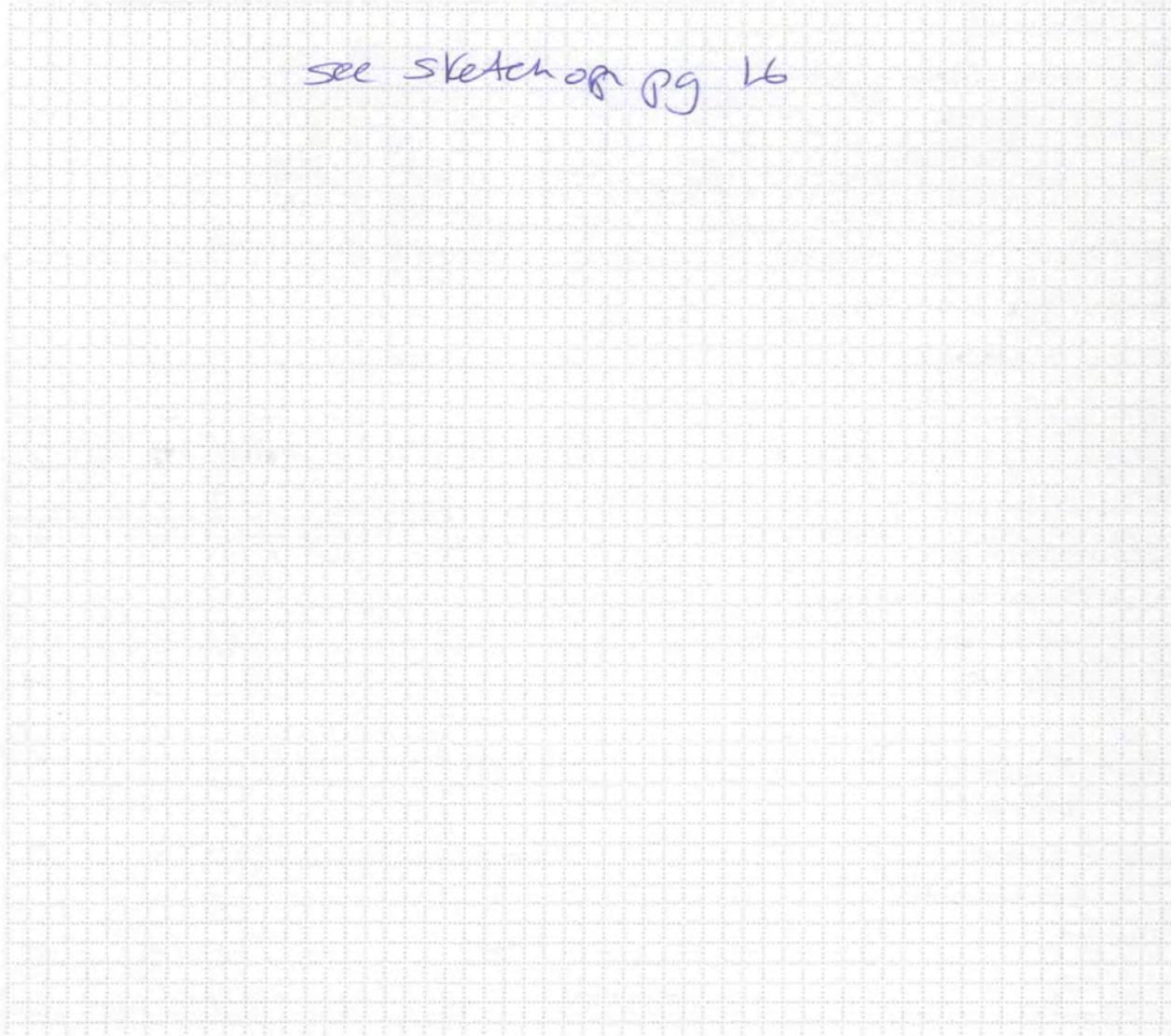
ARRIVAL TIME: _____

Other pertinent information (weather conditions, etc.):

PROPERTY COMMENTS:

Grid for property sketch

see sketch on pg 16



STATION ID: CV0115C

SAMPLE ID: CV0115C-65

SAMPLE COLLECTION TIME: 0936

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

mound of soil material in NE corner of parcel

Collection: Composite or GrabMS/MSD? Y or NField Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID:

GPS Coordinates: Trimble [X] Instrument #:	08954	Logged? <input checked="" type="radio"/> Y or N
Aliquot #1: Latitude:	33-55965170°	N Longitude 86-80448340° W
Media description:	CV0115C-1 (grab) downst w/ coal fragments & gravel m-f damp	
Aliquot #2: Latitude:		N Longitude
Media description:		
Aliquot #3: Latitude:		N Longitude
Media description:		
Aliquot #4: Latitude:		N Longitude
Media description:		
Aliquot #5: Latitude:		N Longitude
Media description:		

STATION ID: _____ SAMPLE ID: _____

SAMPLE COLLECTION TIME: _____

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):
_____Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: _____

GPS Coordinates: Trimble [] Instrument #:		Logged? Y or N
Aliquot #1: Latitude:		N Longitude
Media description:		
Aliquot #2: Latitude:		N Longitude
Media description:		
Aliquot #3: Latitude:		N Longitude
Media description:		
Aliquot #4: Latitude:		N Longitude
Media description:		
Aliquot #5: Latitude:		N Longitude
Media description:		

(b) (6)

ADDRESS:

PROPERTY ID: CV-0700

DATE: 01/08/2013

ARRIVAL TIME: 0954

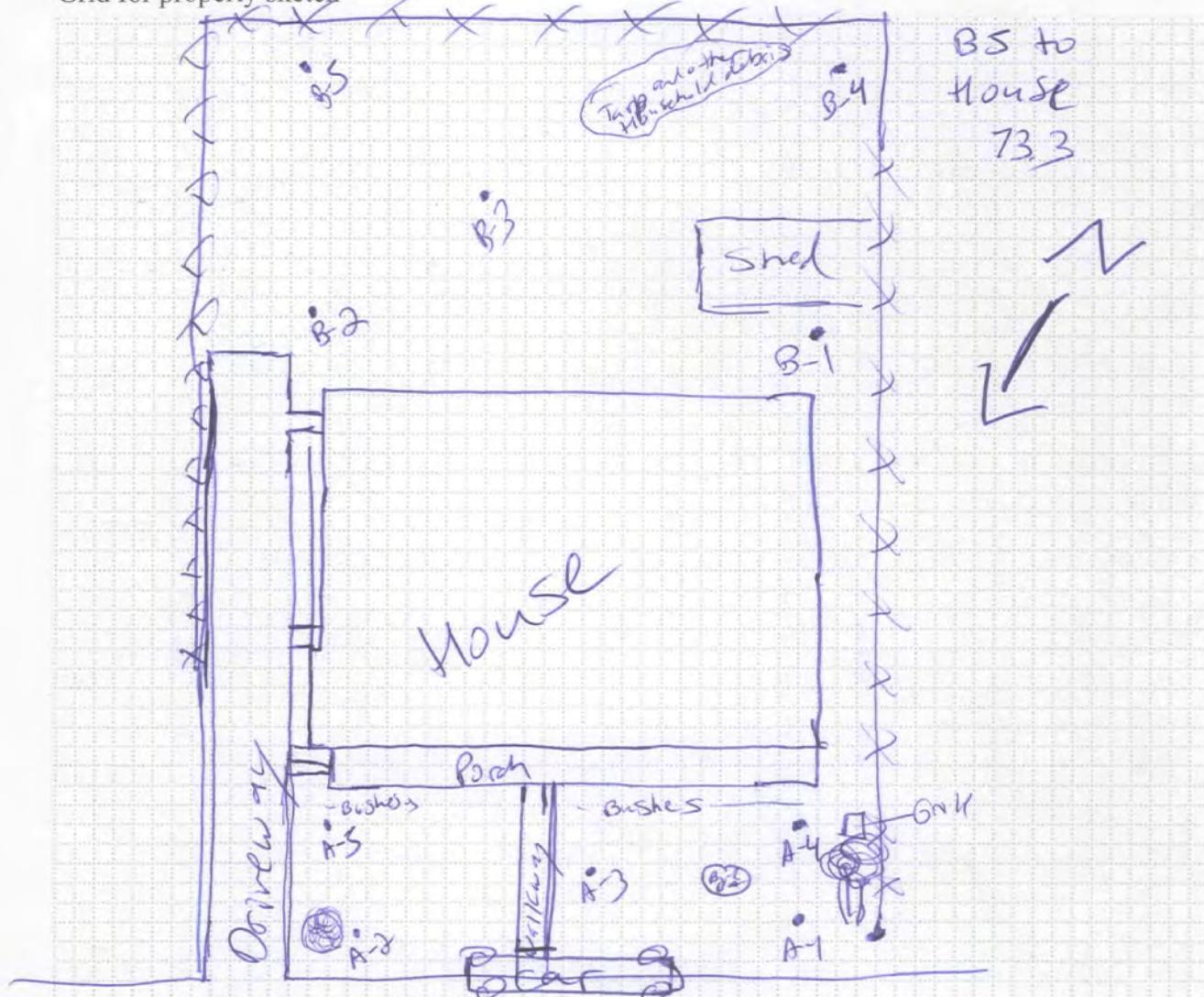
Other pertinent information (weather conditions, etc.):

Mostly cloudy 48°

PROPERTY COMMENTS:

no playsets or veg. gardens

Grid for property sketch



(b) (6)

STATION ID: CN0700ASAMPLE ID: CN0700A-CSSAMPLE COLLECTION TIME: 1028

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Front yardCollection: Composite or GrabMS/MSD? Y or NField Duplicate or Split: Yes or If yes, indicate Duplicate/split sample station ID:

GPS Coordinates: Trimble <input checked="" type="checkbox"/>	Instrument #: <u>018594</u>	Logged? <input checked="" type="checkbox"/> or N
Aliquot #1: Latitude: <u>33.55993126°</u>	N Longitude <u>86.80170816°</u>	W
Media description: <u>CN0700A-1</u>	<u>B1K S1t f dmp w/coal fragments</u>	
Aliquot #2 Latitude: <u>33.55997296°</u>	N Longitude <u>86.80166197°</u>	W
Media description: <u>CN0700A-2</u>	<u>Bwn S1t f-m dmp w/gravel</u>	
Aliquot #3: Latitude: <u>33.55994214°</u>	N Longitude <u>86.80167701°</u>	W
Media description: <u>CN0700A-3</u>	<u>Bwn S1t f-m dmp w/gravel</u>	
Aliquot #4: Latitude: <u>33.55991976°</u>	N Longitude <u>86.80169030°</u>	W
Media description: <u>CN0700A-4</u>	<u>Bwn S1t f-m dmp w/gravel</u>	
Aliquot #5: Latitude: <u>33.55996212°</u>	N Longitude <u>86.80162856°</u>	W
Media description: <u>CN0700A-5</u>	<u>B1K S1t f dmp w/coal fragments</u>	

STATION ID: CN0700BSAMPLE ID: CN0700B-CSSAMPLE COLLECTION TIME: 1021

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Back yardCollection: Composite or GrabMS/MSD? Y or NField Duplicate or Split: Yes or If yes, indicate Duplicate/split sample station ID:

GPS Coordinates: Trimble <input checked="" type="checkbox"/>	Instrument #: <u>018594</u>	Logged? <input checked="" type="checkbox"/> or N
Aliquot #1: Latitude: <u>33.55778789°</u>	N Longitude <u>86.80152730°</u>	W
Media description: <u>CN0700B-1</u>	<u>Bwn S1t clay m dmp</u>	
Aliquot #2 Latitude: <u>33.55984304°</u>	N Longitude <u>86.80144820°</u>	W
Media description: <u>CN0700B-2</u>	<u>B1K S1t f dmp w/coal fragments</u>	
Aliquot #3: Latitude: <u>33.55977496°</u>	N Longitude <u>86.80142138°</u>	W
Media description: <u>CN0700B-3</u>	<u>Bwn S1t clay m dmp</u>	
Aliquot #4: Latitude: <u>33.55967709°</u>	N Longitude <u>86.80140438°</u>	W
Media description: <u>CN0700B-4</u>	<u>Same soil as 1&3</u>	
Aliquot #5: Latitude: <u>33.55973296°</u>	N Longitude <u>86.80132509°</u>	W
Media description: <u>CN0700B-5</u>	<u>Same soil as 1&3, 4</u>	

(b) (6)

ADDRESS: _____ PROPERTY ID: HP-0204

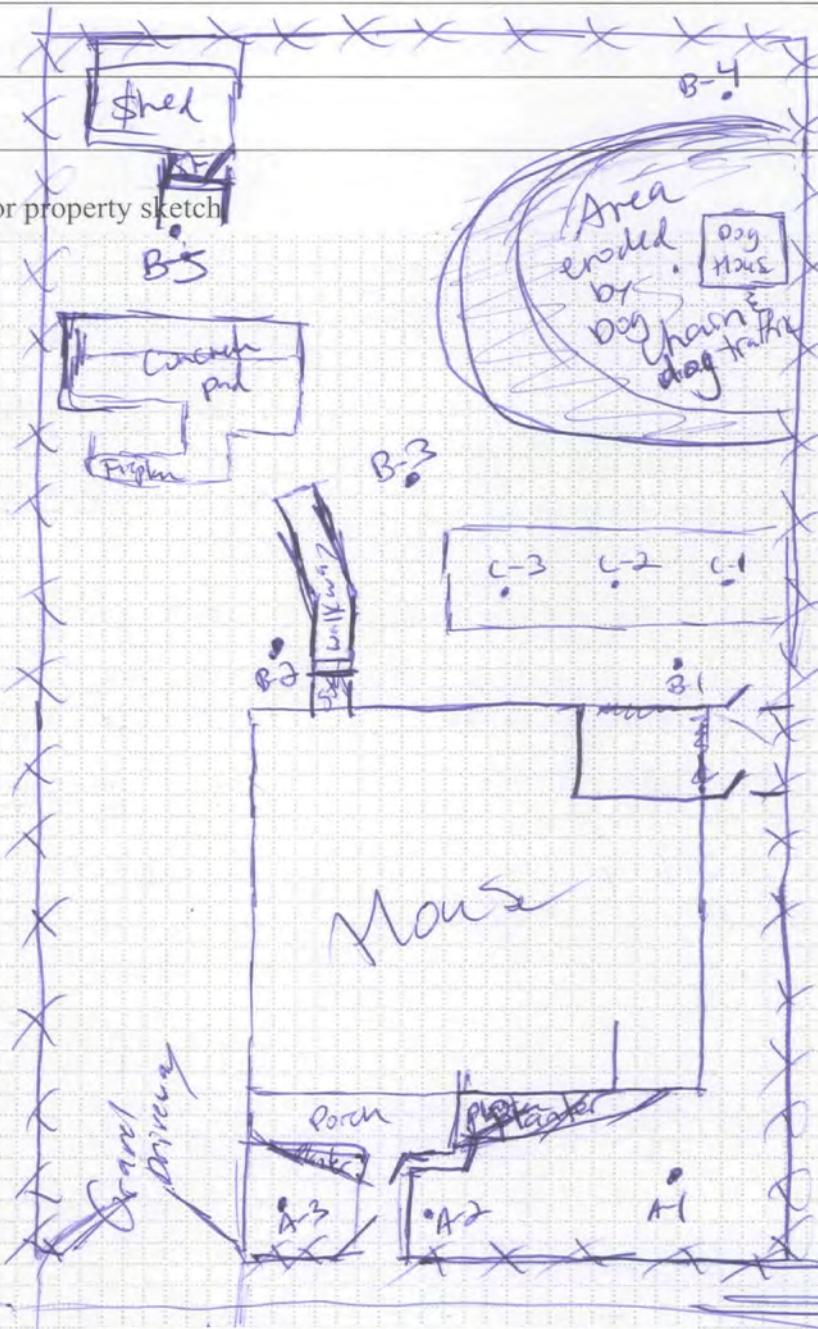
DATE: 01/08/2013 ARRIVAL TIME: 1110

Other pertinent information (weather conditions, etc.):

Mostly cloudy 52°

PROPERTY COMMENTS:

Vegetable Garden (no plants)



(b) (6)

STATION ID: HP-0204A

SAMPLE ID: HP-0204A-CS

SAMPLE COLLECTION TIME: 1146

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Front Yard

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID:

GPS Coordinates: Trimble Instrument #: 018594 Logged? Y or N

Aliquot #1: Latitude: _____ N Longitude _____ W

Media description: HP0204A-1 Bwn sly clay m dmp

Aliquot #2: Latitude: _____ N Longitude _____ W

Media description: HP0204A-2 same soil

Aliquot #3: Latitude: _____ N Longitude _____ W

Media description: HP0204A-3 same soil

Aliquot #4: Latitude: _____ N Longitude _____ W

Media description: HP0204A-4 same soil

Aliquot #5: Latitude: _____ N Longitude _____ W

Media description: HP0204A-5 same soil

STATION ID: HP0204B

SAMPLE ID: HP0204B-CS

SAMPLE COLLECTION TIME: 1138

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Back Yard

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID:

GPS Coordinates: Trimble Instrument #: 018594 Logged? Y or N

Aliquot #1: Latitude: 33.56530140° N Longitude 86.79054679° W

Media description: HP0204B-1 bwn sly m dmp

Aliquot #2: Latitude: 33.56548864° N Longitude 86.79046813° W

Media description: HP0204B-2 B1L sly sndl m dmp w/ coal

Aliquot #3: Latitude: 33.56540895° N Longitude 86.79049988° W

Media description: HP0204B-3 bwn sly m dmp

Aliquot #4: Latitude: 33.56530667° N Longitude 86.79055196° W

Media description: HP0204B-4 bwn sly m dmp

Aliquot #5: Latitude: 33.56533594° N Longitude 86.79047812° W

Media description: HP0204B-5 bwn sly m dmp

(b) (6)

ADDRESS

PROPERTY ID: HP0204(Con.)

DATE: 01/08/2013

(con.)

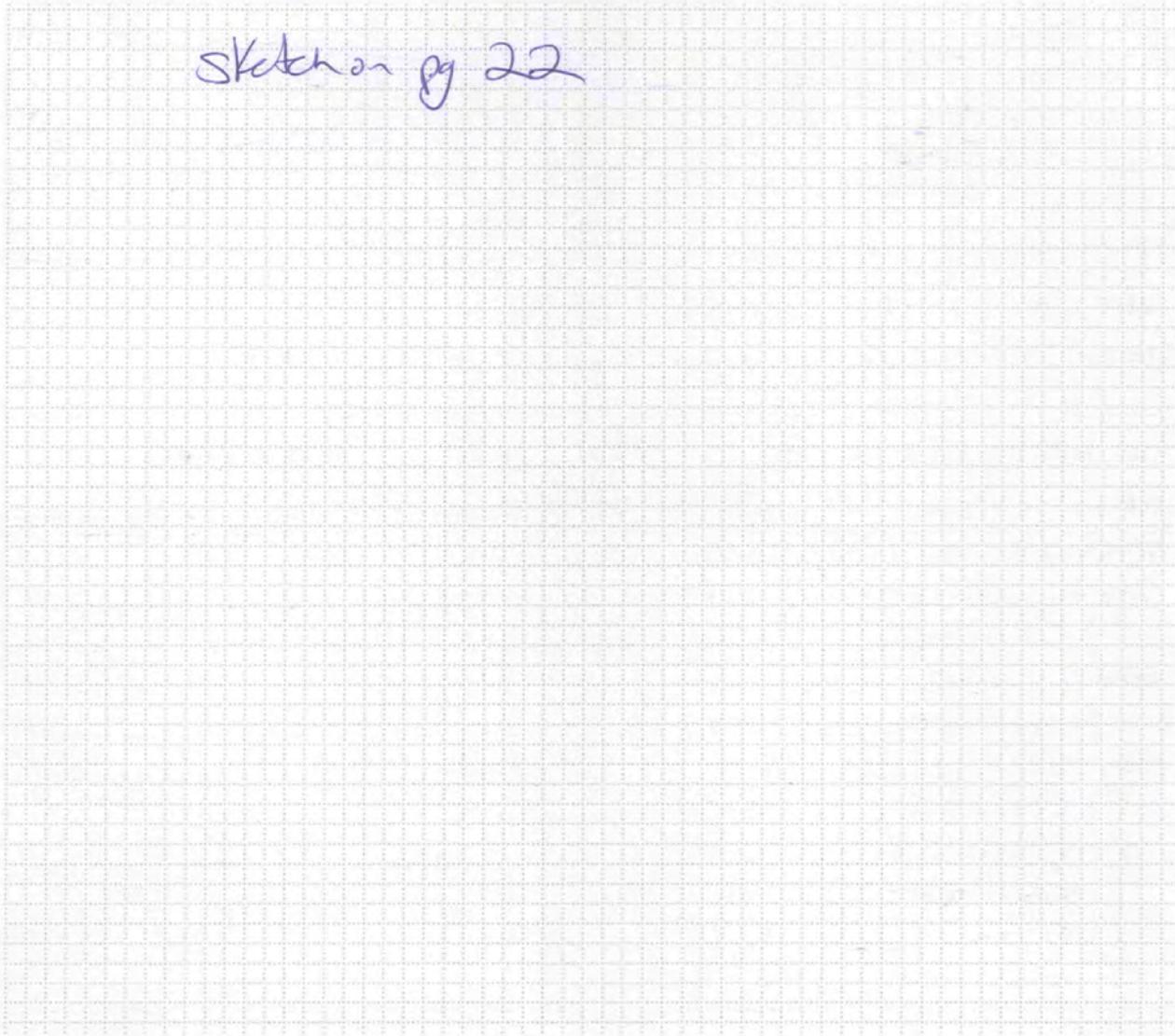
ARRIVAL TIME: 110

Other pertinent information (weather conditions, etc.):

PROPERTY COMMENTS:

Grid for property sketch

Sketch on pg 22



STATION ID: HP0204CSAMPLE ID: HP0204C-CSSAMPLE COLLECTION TIME: 141

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Vegetable Garden in back yardCollection: Composite or GrabMS/MSD? Y or NField Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID:GPS Coordinates: Trimble [x] Instrument #: 018894 Logged? Y or NAliquot #1: Latitude: 33.56547262° N Longitude 86.79055438° WMedia description: HP0204C-1under thin layer of ash 1 ft bwn stony clay
in wetAliquot #2 Latitude: 33.56546774°N Longitude 86.79053301° WMedia description: HP0204C-2same soilAliquot #3: Latitude: 33.56547205°N Longitude 86.79051217° WMedia description: HP0204C-3same soil)

Aliquot #4: Latitude: _____

N Longitude _____ W

Media description: _____

Aliquot #5: Latitude: _____

N Longitude _____ W

Media description: _____

STATION ID: _____ SAMPLE ID: _____

SAMPLE COLLECTION TIME: _____

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID:

GPS Coordinates: Trimble [] Instrument #: _____ Logged? Y or N

Aliquot #1: Latitude: _____ N Longitude _____ W

Media description: _____

Aliquot #2 Latitude: _____

N Longitude _____ W

Media description: _____

Aliquot #3: Latitude: _____

N Longitude _____ W

Media description: _____

Aliquot #4: Latitude: _____

N Longitude _____ W

Media description: _____

Aliquot #5: Latitude: _____

N Longitude _____ W

Media description: _____

(b) (6)

ADDRESS:

DATE: 01/08/2013

PROPERTY ID: PM-0150

ARRIVAL TIME: 1311

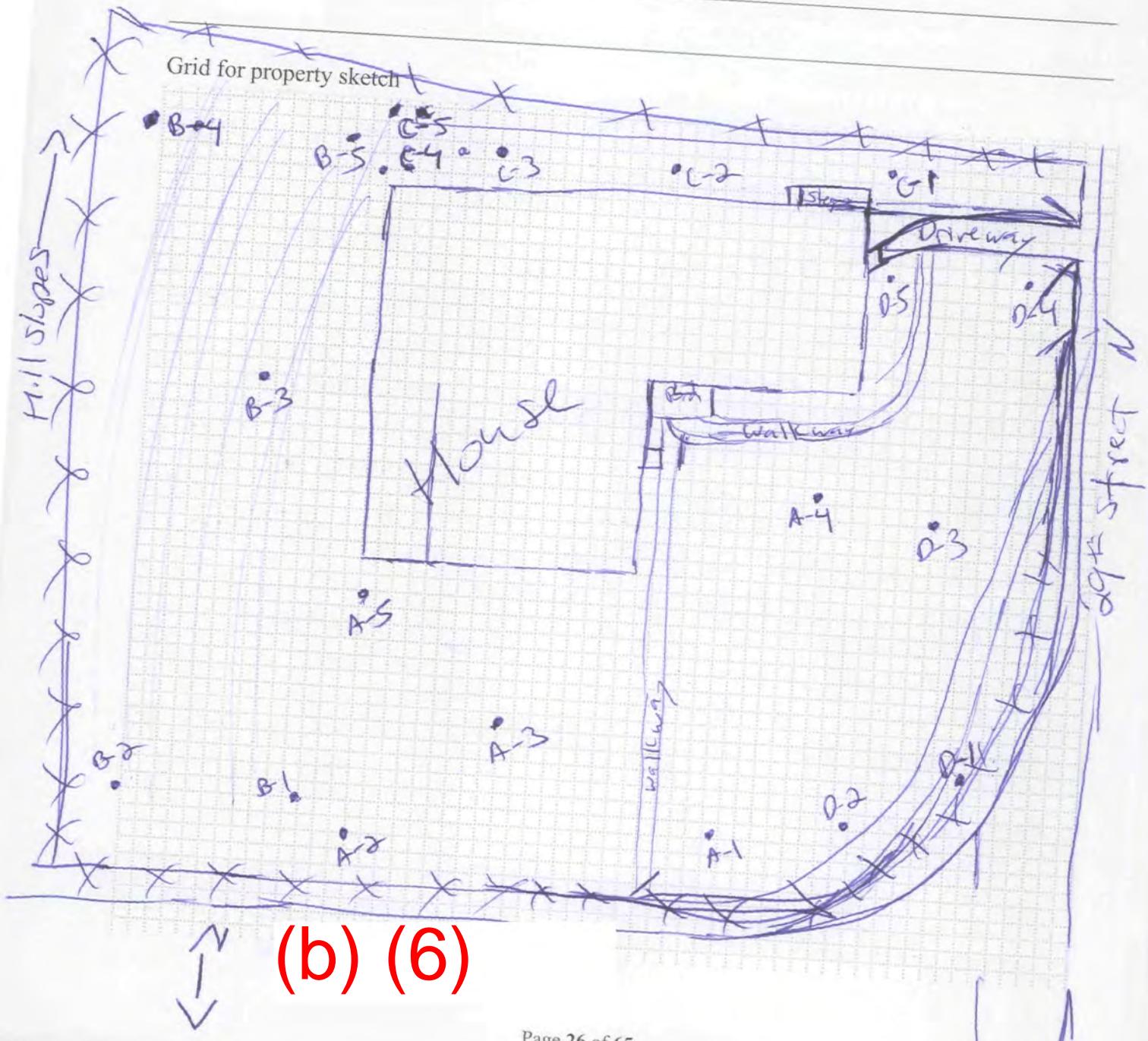
Other pertinent information (weather conditions, etc.):

partly cloudy 57°

PROPERTY COMMENTS:

10' vegetable garden or playset

Grid for property sketch



STATION ID: PM0150A SAMPLE ID: PM0150A-CS

SAMPLE COLLECTION TIME: 1410

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Front yard (North)

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID:

GPS Coordinates: Trimble <input checked="" type="checkbox"/> Instrument #:	<u>018594</u>	Logged? <input checked="" type="checkbox"/> Y or N
Aliquot #1: Latitude:	<u>33 56 757 256°</u>	N Longitude <u>86-811 323 7°</u> W
Media description:	<u>PM0150A-1</u>	<u>lt brown silty clay w/ orange clay in dnp</u>
Aliquot #2 Latitude:	<u>33.56758371°</u>	N Longitude <u>86-811 204 7°</u> W
Media description:	<u>PM0150A-2</u>	<u>same soil</u>
Aliquot #3: Latitude:	<u>33.567541788°</u>	N Longitude <u>86-811 243 83°</u> W
Media description:	<u>PM0150A-3</u>	<u>same soil</u>
Aliquot #4: Latitude:	<u>33.56749002°</u>	N Longitude <u>86-811 313 57°</u> W
Media description:	<u>PM0150A-4</u>	<u>same soil</u>
Aliquot #5: Latitude:	<u>33 56 754 720°</u>	N Longitude <u>86-811 179 27°</u> W
Media description:	<u>PM0150A-5</u>	<u>same soil</u>

STATION ID: FMO150B SAMPLE ID: FMO150B-CS

SAMPLE COLLECTION TIME: 1415

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Side yard along the east

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID:

GPS Coordinates: Trimble <input checked="" type="checkbox"/> Instrument #:	<u>018594</u>	Logged? <input checked="" type="checkbox"/> Y or N
Aliquot #1: Latitude:	<u>33 56 756 13°</u>	N Longitude <u>86-811 675 0°</u> W
Media description:	<u>PM0150B-1</u>	<u>lt brown silty clay w/ orange clay in dnp</u>
Aliquot #2 Latitude:	<u>33.56756886°</u>	N Longitude <u>86-811 033 72°</u> W
Media description:	<u>PM0150B-2</u>	<u>same soil</u>
Aliquot #3: Latitude:	<u>33.56749132°</u>	N Longitude <u>86-811 093 38°</u> W
Media description:	<u>PM0150B-3</u>	<u>same soil</u>
Aliquot #4: Latitude:	<u>33.56741364°</u>	N Longitude <u>86-811 222 84°</u> W
Media description:	<u>PM0150B-4</u>	<u>same soil</u>
Aliquot #5: Latitude:	<u>33.56741982°</u>	N Longitude <u>86-811 021 03°</u> W
Media description:	<u>PM0150B-5</u>	<u>same soil</u>

(b) (6)

ADDRESS:

PROPERTY ID: FM0150 (con.)

DATE: 01/08/2013 (con.)

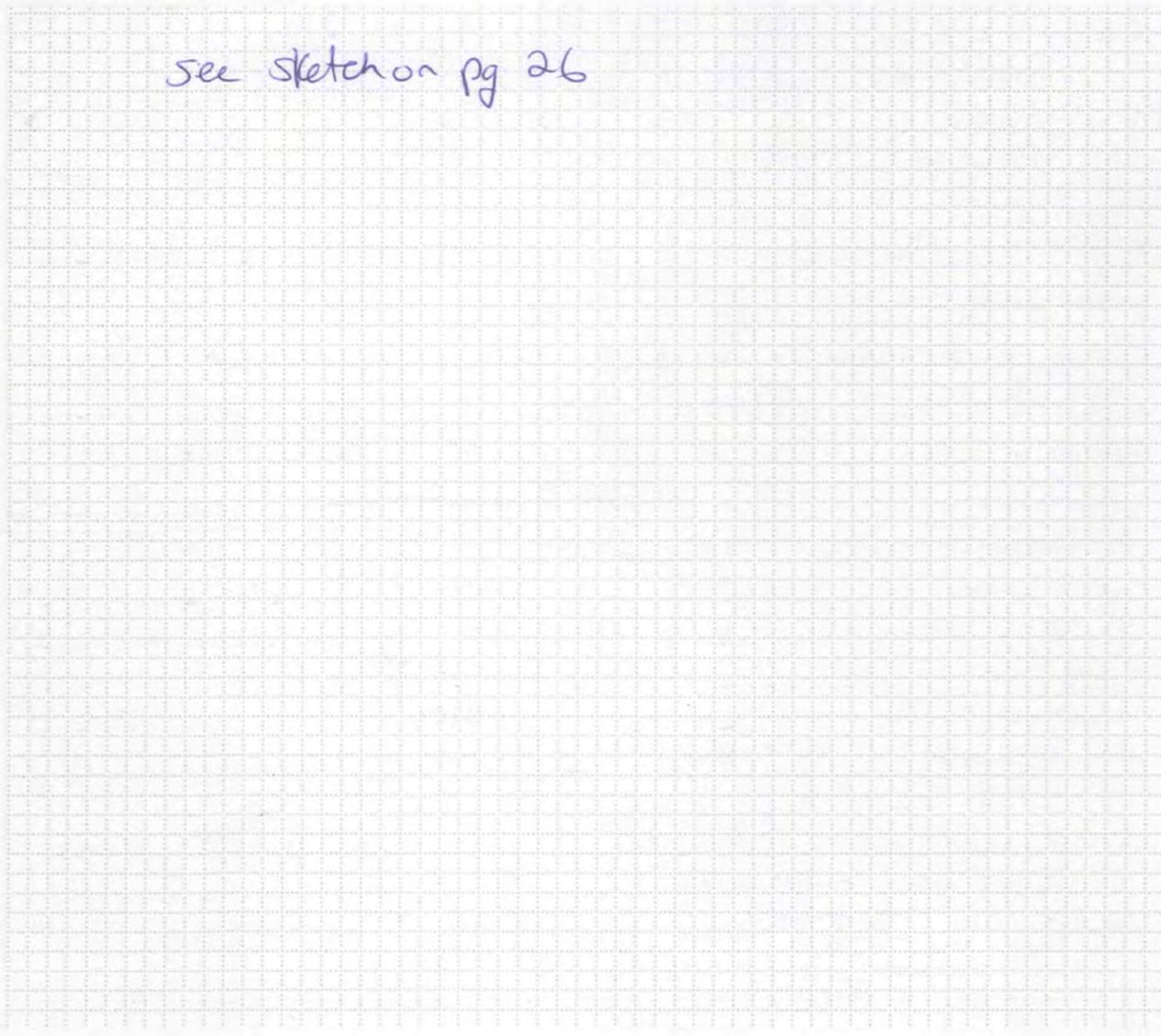
ARRIVAL TIME: _____

Other pertinent information (weather conditions, etc.):

PROPERTY COMMENTS:

Grid for property sketch

See sketch on pg 26



STATION ID: FM0150C SAMPLE ID: FM0150C-CS

SAMPLE COLLECTION TIME: 1419

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Back Yard

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or If yes, indicate Duplicate/split sample station ID:

GPS Coordinates: Trimble [X]	Instrument #: <u>018594</u>	Logged? <input checked="" type="radio"/> or N
Aliquot #1: Latitude: <u>33.56736534°</u>	N Longitude <u>86.81131978°</u>	W
Media description: <u>FM0150C1</u>	<u>lt bwn silty clay w/ orange clst, m damp</u>	
Aliquot #2 Latitude: <u>33.56736826°</u>	N Longitude <u>86.81126761°</u>	W
Media description: <u>FM0150C2</u>	<u>same soil</u>	
Aliquot #3: Latitude: <u>33.56739001°</u>	N Longitude <u>86.81119633°</u>	W
Media description: <u>FM0150C3</u>	<u>same soil</u>	
Aliquot #4: Latitude: <u>33.56742506°</u>	N Longitude <u>86.81115951°</u>	W
Media description: <u>FM0150C4</u>	<u>same soil</u>	
Aliquot #5: Latitude: <u>33.56738654°</u>	N Longitude <u>86.81114361°</u>	W
Media description: <u>FM0150C5</u>	<u>same soil</u>	

STATION ID: FM0150D SAMPLE ID: FM0150D-CS

SAMPLE COLLECTION TIME: 1406

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Side yard (west)

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or If yes, indicate Duplicate/split sample station ID:

GPS Coordinates: Trimble [X]	Instrument #: <u>018594</u>	Logged? <input checked="" type="radio"/> or N
Aliquot #1: Latitude: <u>33.56755497°</u>	N Longitude <u>86.81139514°</u>	W
Media description: <u>FM0150D1</u>	<u>lt bwn silty clay w/ orange clay, m damp</u>	
Aliquot #2 Latitude: <u>33.56756839°</u>	N Longitude <u>86.81134886°</u>	W
Media description: <u>FM0150D2</u>	<u>same soil</u>	
Aliquot #3: Latitude: <u>33.56749607°</u>	N Longitude <u>86.81136815°</u>	W
Media description: <u>FM0150D3</u>	<u>same soil</u>	
Aliquot #4: Latitude: <u>33.56740974°</u>	N Longitude <u>86.81140821°</u>	W
Media description: <u>FM0150D4</u>	<u>same soil</u>	
Aliquot #5: Latitude: <u>33.56741685°</u>	N Longitude <u>86.81134616°</u>	W
Media description: <u>FM0150D5</u>	<u>same soil</u>	

(b) (6)

ADDRESS:

PROPERTY ID: HP-0034

DATE: 01/08/2013

ARRIVAL TIME: 1500

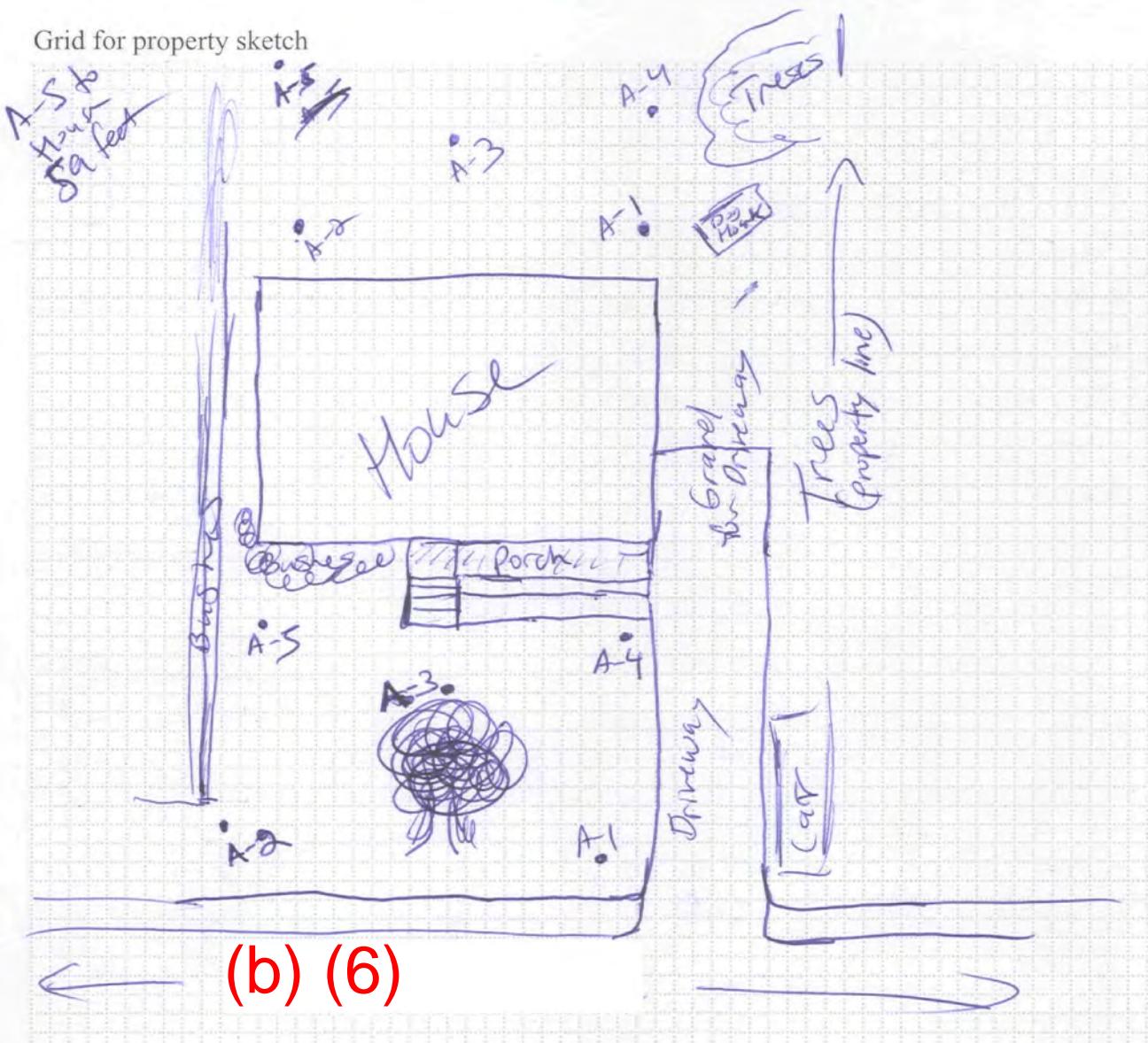
Other pertinent information (weather conditions, etc.):

partly cloudy 59°

PROPERTY COMMENTS:

no vegetable gardens or playsets

Grid for property sketch



STATION ID: HP0034ASAMPLE ID: +1P0034 A-CSSAMPLE COLLECTION TIME: 1541Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):
Front yardCollection: Composite or GrabMS/MSD? Y or NField Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID:

GPS Coordinates: Trimble <input checked="" type="checkbox"/> Instrument #: <u>018594</u>	Logged? <input checked="" type="checkbox"/> or N
Aliquot #1: Latitude: <u>33.56794629°</u>	N Longitude <u>86.78977384°</u> W
Media description: <u>HP0034A-1</u>	<u>brown orange Silt m dmp</u>
Aliquot #2: Latitude: <u>33.56787824°</u>	N Longitude <u>86.78980263°</u> W
Media description: <u>HP0034A-2</u>	<u>Same soil</u>
Aliquot #3: Latitude: <u>33.56792505°</u>	N Longitude <u>86.78980655°</u> W
Media description: <u>HP0034A-3</u>	<u>Same soil</u>
Aliquot #4: Latitude: <u>33.56795999°</u>	N Longitude <u>86.78983533°</u> W
Media description: <u>HP0034A-4</u>	<u>BK Slt m-f dmp w/ coal</u>
Aliquot #5: Latitude: <u>33.56787874</u>	N Longitude <u>86.78983948°</u> W
Media description: <u>HP0034A-5</u>	<u>brown orange silt m dmp</u>

STATION ID: HP0034BSAMPLE ID: +1P0034B-CSSAMPLE COLLECTION TIME: 1527Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):
Back yardCollection: Composite or GrabMS/MSD? Y or N

GPS Coordinates: Trimble <input checked="" type="checkbox"/> Instrument #: <u>018594</u>	Logged? <input checked="" type="checkbox"/> or N
Aliquot #1: Latitude: <u>33.56796447°</u>	N Longitude <u>86.79052487°</u> W
Media description: <u>HP0034B-1</u>	<u>brown orange silty clay m dmp</u>
Aliquot #2: Latitude: <u>33.56789515°</u>	N Longitude <u>86.79064095°</u> W
Media description: <u>HP0034B-2</u>	<u>Same soil</u>
Aliquot #3: Latitude: <u>33.56794385°</u>	N Longitude <u>86.79009725°</u> W
Media description: <u>HP0034B-3</u>	<u>Same soil</u>
Aliquot #4: Latitude: <u>33.56797340°</u>	N Longitude <u>86.79015663°</u> W
Media description: <u>HP0034B-4</u>	<u>Same soil</u>
Aliquot #5: Latitude: <u>33.56791653°</u>	N Longitude <u>86.79018079°</u> W
Media description: <u>HP0034B-5</u>	<u>Same soil</u>

(b) (6)

ADDRESS:

DATE: 01/08/2013

PROPERTY ID: HP-0248

ARRIVAL TIME: 1557

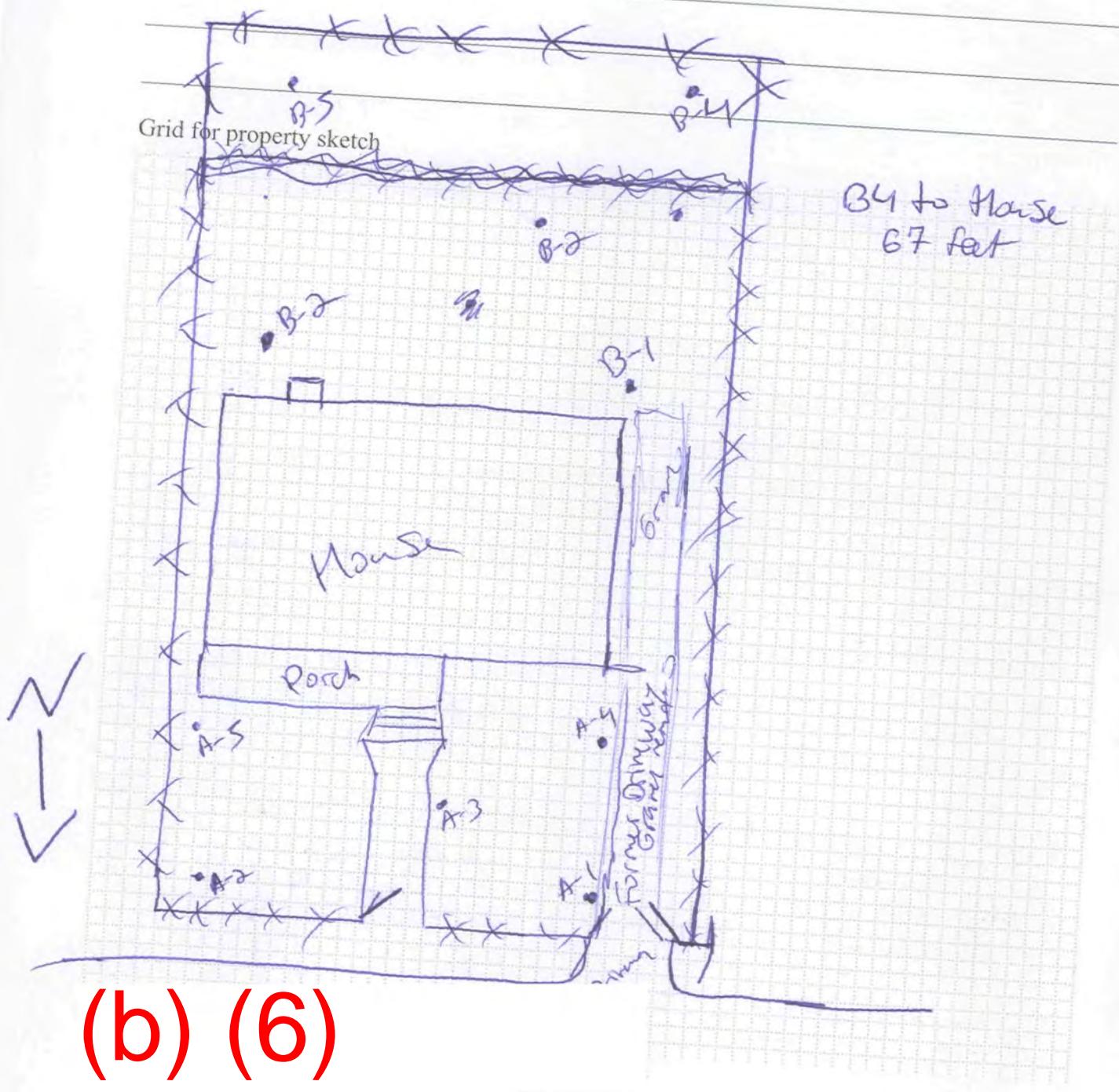
Other pertinent information (weather conditions, etc.):

PROPERTY COMMENTS:

Also 16 vegetable gardens or playsets

Grid for property sketch

B4 to Horse
67 feet



STATION ID: HP0248ASAMPLE ID: HP0248A-CSSAMPLE COLLECTION TIME: 1620

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Front yardCollection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID:GPS Coordinates: Trimble [X] Instrument #: 018594Logged? Y or N 86-791053350Aliquot #1: Latitude: 33.56657507N Longitude 86-7909555950 W

Media description:

It to dlcbsn slt m-f dmp w/ coal
fragmentsAliquot #2 Latitude: 33.566555950N Longitude 86-790977380 W

Media description:

Same soilAliquot #3: Latitude: 33.566532570N Longitude 86-791016470 W

Media description:

Same soilAliquot #4: Latitude: 33.566522520N Longitude 86-791051620 W

Media description:

Same soilAliquot #5: Latitude: 33.566515180N Longitude 86-790974020 W

Media description:

Same soilSTATION ID: HP0248BSAMPLE ID: HP0248A-CSSAMPLE COLLECTION TIME: 1615

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Back yardCollection: Composite or GrabMS/MSD? Y or NField Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID:GPS Coordinates: Trimble [X] Instrument #: 018594Logged? Y or NAliquot #1: Latitude: 33.566369220N Longitude 86-791057990 WMedia description: HP0248B-1 Bwn Slt clay m-f dmpAliquot #2 Latitude: 33.566348820N Longitude 86-790977310 WMedia description: HP0248B-2 Bwn Slt clay m-f dmp w/ coal fragmAliquot #3: Latitude: 33.566300270N Longitude 86-791033210 WMedia description: HP0248B-3 Bwn Slt clay m-f dmpAliquot #4: Latitude: 33.566284845N Longitude 86-791065760 WMedia description: 33.566248200Bwn Slt clay m-f dmpAliquot #5: Latitude: 33.566234940N Longitude 86-790985370 WMedia description: HP0248B-5 Bwn Slt clay m-f dmp

(b) (6)

ADDRESS:

PROPERTY ID: CV-0210

DATE: 01/09/2013

ARRIVAL TIME: 0850

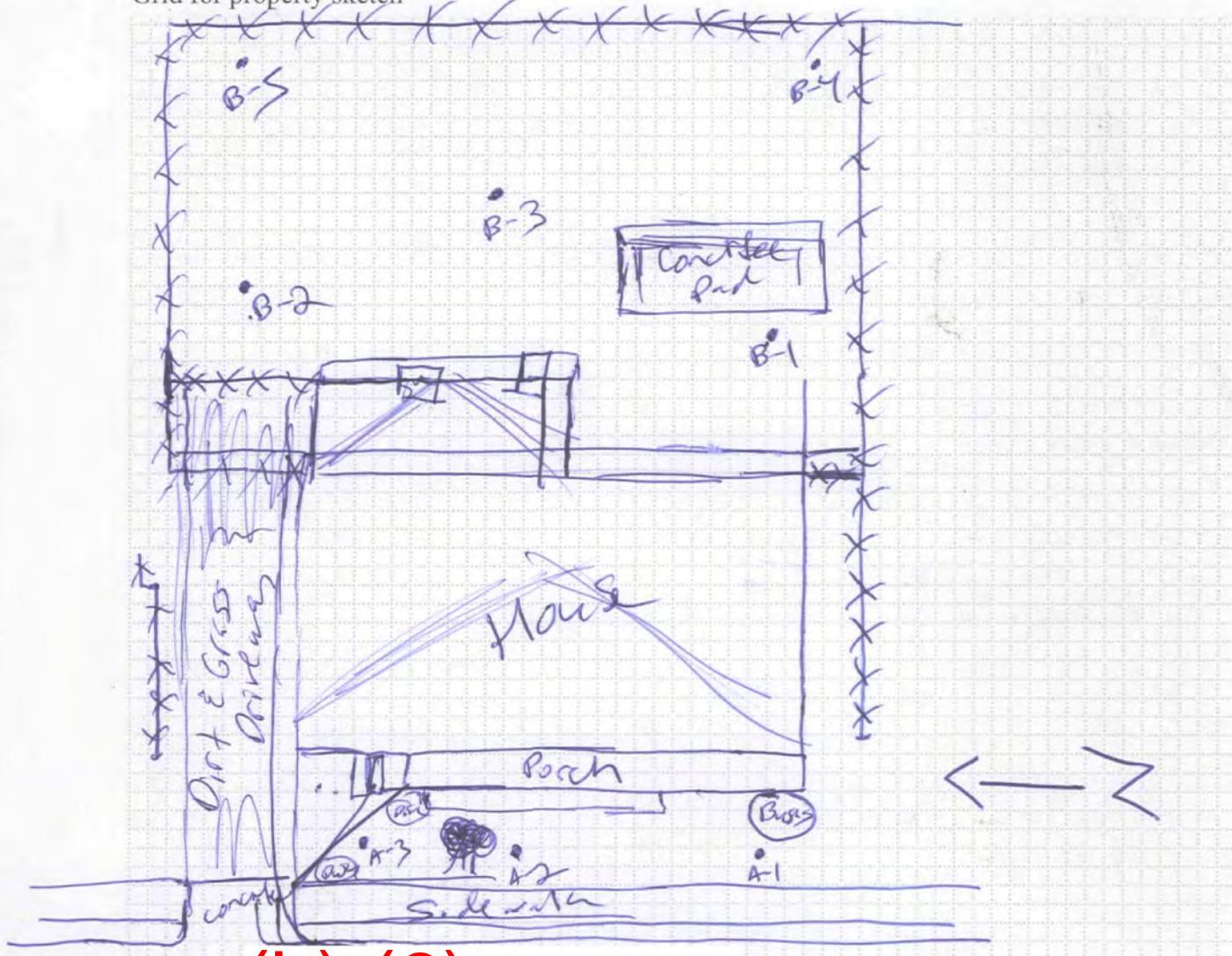
Other pertinent information (weather conditions, etc.):

Mostly cloudy 55° 90% relative humidity ~~winds~~
E. @ 7 MPH

PROPERTY COMMENTS:

no vegetable garden, no playsets

Grid for property sketch



(b) (6)

STATION ID: CV0210A

SAMPLE ID: CV0210A-CS

SAMPLE COLLECTION TIME: 0910

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Front yard

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0210A-CS-SP

GPS Coordinates: Trimble [X] Instrument #: 018594

Logged? Y or N

Aliquot #1: Latitude: 33.55477429° N Longitude 86.80158807° W

Media description: CV0210A-1

Bwn silt dmp

Aliquot #2: Latitude: 33.55480709° N Longitude 86.80158574° W

Media description: CV0210A-2

Bwn silt dmp

Aliquot #3: Latitude: 33.55483084° N Longitude 86.80157406° W

Media description: CV0210A-3

Bwn silt dmp

Aliquot #4: Latitude: N Longitude W

Media description:

Aliquot #5: Latitude: N Longitude W

Media description:

STATION ID: CV0210B

SAMPLE ID: CV0210B-CS

BML 1/21/13

SAMPLE COLLECTION TIME: 09133

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Back yard

Collection: Composite or Grab

MS/MSD? Y or N

BML 1/21/13

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0210B-CS-SP

GPS Coordinates: Trimble [X] Instrument #: 018594

Logged? Y or N

Aliquot #1: Latitude: 33.55478856° N Longitude 86.80135350° W

Media description: CV0210B-1

Bwn silt m wet

Aliquot #2: Latitude: 33.55486213° N Longitude 86.80134690° W

Media description: CV0210B-2

Bwn silt m wet

Aliquot #3: Latitude: 33.55482043° N Longitude 86.80125899° W

Media description: CV0210B-3

DK bwn silt m-f wet w/coal fragments

Aliquot #4: Latitude: 33.55477178° N Longitude 86.80116390° W

Media description: CV0210B-4

DK bwn silt m-f wet w/coal fragments

Aliquot #5: Latitude: 33.55486483° N Longitude 86.80116834° W

Media description: CV0210B-5

DK bwn silt m-f wet w/coal fragments

(b) (6)

ADDRESS: _____

PROPERTY ID: CV-0212

DATE: 01/09/2013

ARRIVAL TIME: 0951

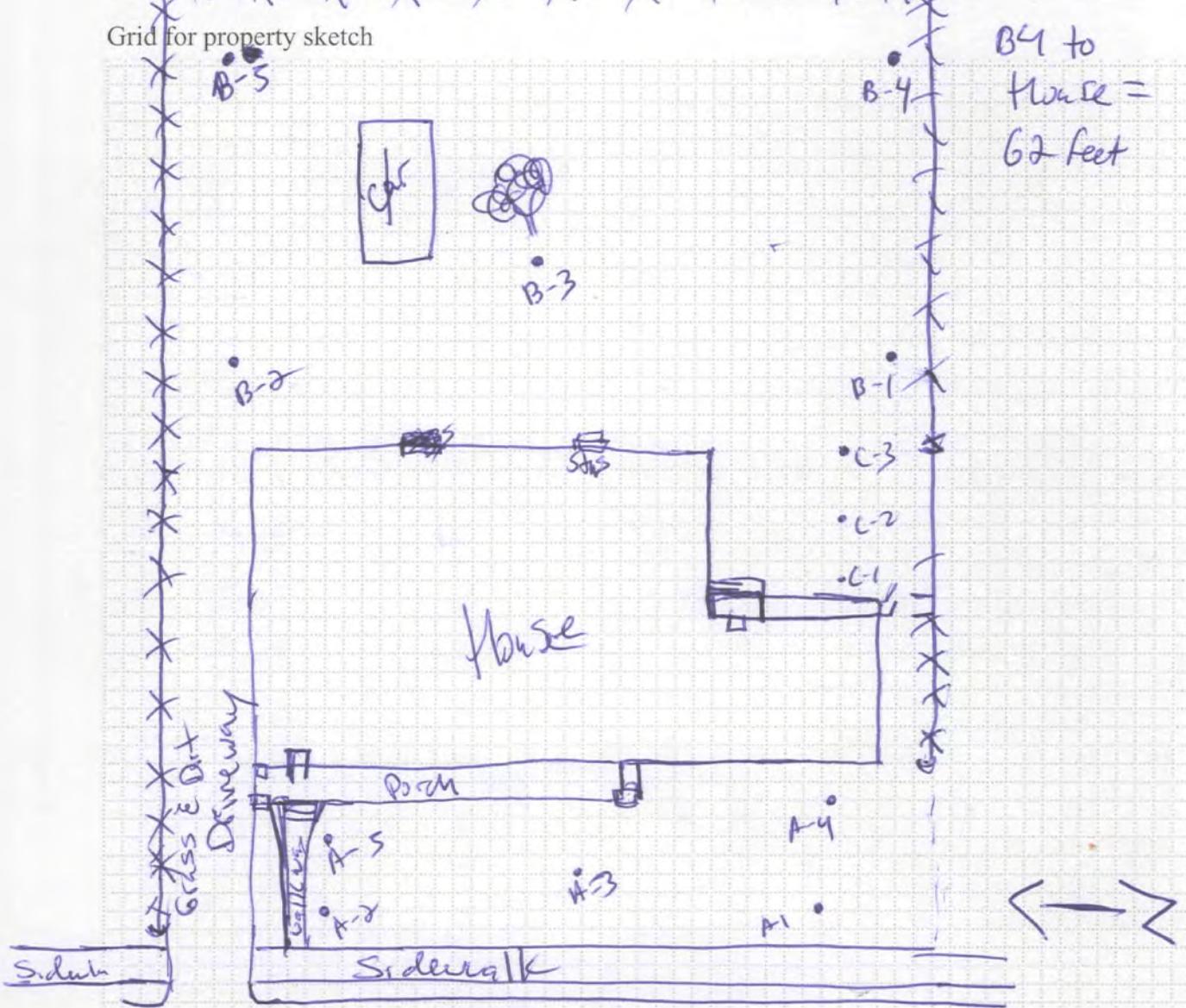
Other pertinent information (weather conditions, etc.):

56° Mostly cloudy 90% Humidity winds E @ 7 mph

PROPERTY COMMENTS:

No vegetable gardens or playsets

Grid for property sketch



STATION ID: CV-0212A

SAMPLE ID: CV0212A-CS

SAMPLE COLLECTION TIME: 1040

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Front yard

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0212A-CS-SP

GPS Coordinates:	Trimble [X]	Instrument #:	018594	Logged?	Y or N
Aliquot #1:	Latitude: 33.55491111°	N Longitude	86.80160011°	W	
Media description:	CV0212A-1	Bwn Slt f	wet		
Aliquot #2:	Latitude: 33.55497658°	N Longitude	86.80160380°	W	
Media description:	CV0212A-2	sam sgt			
Aliquot #3:	Latitude: 33.55493939°	N Longitude	86.80158751°	W	
Media description:	CV0212A-3	S			
Aliquot #4:	Latitude: 33.55490655°	N Longitude	86.80156373°	W	
Media description:	CV0212A-4				
Aliquot #5:	Latitude: 33.55497480°	N Longitude	86.80157486°	W	
Media description:	CV0212A-5				

STATION ID: CV-0212B

SAMPLE ID: CV0212B-CS

SAMPLE COLLECTION TIME: 1023

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Back yard

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0212B-CS-SP

GPS Coordinates:	Trimble [X]	Instrument #:	018594	Logged?	Y or N
Aliquot #1:	Latitude: 33.55490405°	N Longitude	86.80134741°	W	
Media description:	CV0212B-1	dk bwn	slty clay m-c wet		
Aliquot #2:	Latitude: 33.55489077°	N Longitude	86.80114506°	W	
Media description:	CV0212B-2	dk bwn	Slt f drnp		
Aliquot #3:	Latitude: 33.55494062°	N Longitude	86.80125119°	W	
Media description:	CV0212B-3	dk bwn	slty clay m-c wet		
Aliquot #4:	Latitude: 33.55498569°	N Longitude	86.80134711°	W	
Media description:	CV0212B-4	dk bwn	slty clay m-c wet		
Aliquot #5:	Latitude: 33.55497215°	N Longitude	86.80117183°	W	
Media description:	CV0212B-5	dk bwn	slty clay m-c wet orange clay		

(b) (6)

ADDRESS:

DATE: 01/09/2013

PROPERTY ID: CV0212 (con.)

ARRIVAL TIME: _____

Other pertinent information (weather conditions, etc.):

(con.)

PROPERTY COMMENTS:

Grid for property sketch

Sketch on pg. 36

STATION ID: CV0212C

SAMPLE ID: CV0212C-CS

SAMPLE COLLECTION TIME: 1027

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Side yard (L-shape to house)

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0212C-CS-SP

GPS Coordinates: Trimble Instrument #: 018954 Logged? Y or N

Aliquot #1: Latitude: 33.55490735° N Longitude 86.80145141° W

Media description: CV0212C-1

Aliquot #2: Latitude: 33.55490608° N Longitude 86.80142795° W

Media description: CV0212C-2

Aliquot #3: Latitude: 33.55490722° N Longitude 86.80139386° W

Media description: CV0212C-3

Aliquot #4: Latitude: _____ N Longitude: _____ W

Media description: _____

Aliquot #5: Latitude: _____ N Longitude: _____ W

Media description: _____

STATION ID: _____ SAMPLE ID: _____

SAMPLE COLLECTION TIME: _____

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: _____

GPS Coordinates: Trimble [] Instrument #: _____ Logged? Y or N

Aliquot #1: Latitude: _____ N Longitude: _____ W

Media description: _____

Aliquot #2: Latitude: _____ N Longitude: _____ W

Media description: _____

Aliquot #3: Latitude: _____ N Longitude: _____ W

Media description: _____

Aliquot #4: Latitude: _____ N Longitude: _____ W

Media description: _____

Aliquot #5: Latitude: _____ N Longitude: _____ W

Media description: _____

(b) (6)

ADDRESS:

PROPERTY ID: HR-0066

DATE: 01/09/2013

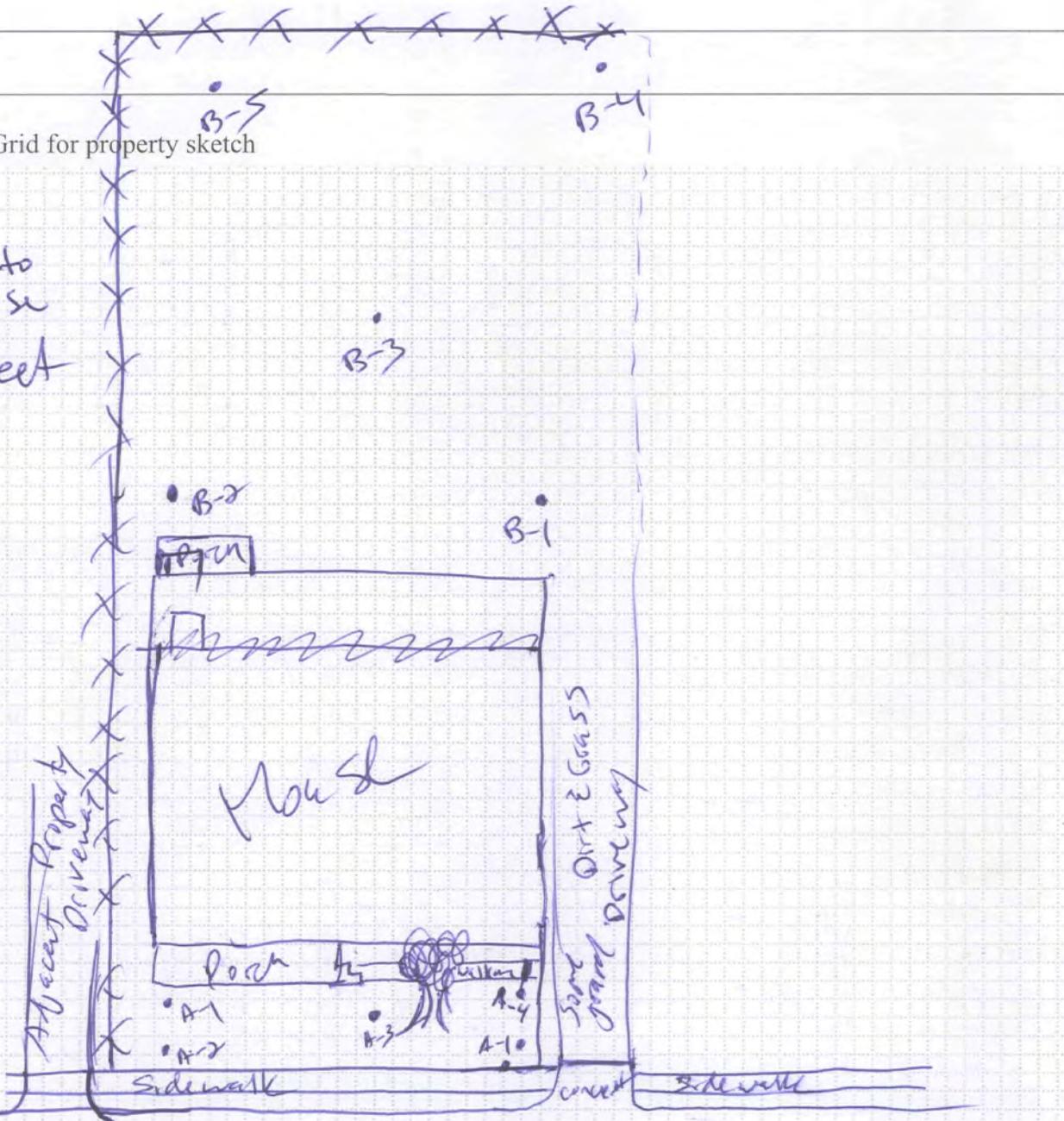
ARRIVAL TIME: 1058

Other pertinent information (weather conditions, etc.):

55° Mostly cloudy 90% Humidity ~~WINDS E@4MPH~~

PROPERTY COMMENTS:

No vegetable garden
No playset



STATION ID: HP0066A

SAMPLE ID: HP0066A-CS

SAMPLE COLLECTION TIME: 1128

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Front yard

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: HP0066A-CS-SP

GPS Coordinates: Trimble	X	Instrument #:	018954	Logged?	Y	or N
Aliquot #1: Latitude:	33.56395656°	N Longitude	86.79138748°	W		
Media description:	HP0066A-1	Brown silt clay m wet				
Aliquot #2 Latitude:	33.56397927°	N Longitude	86.79147541°	W		
Media description:	HP0066A-2	same soil				
Aliquot #3: Latitude:	33.56397758°	N Longitude	86.79142685°	W		
Media description:	HP0066A-3	same soil				
Aliquot #4: Latitude:	33.56402298°	N Longitude	86.79139870°	W		
Media description:	HP0066A-4	Black silt loam damp w/ clay				
Aliquot #5: Latitude:	33.56401394°	N Longitude	86.79139810°	W		
Media description:	HP0066A-5	1 ft brown silt clay m wet				

STATION ID: HP0066B

SAMPLE ID: HP0066B-CS

SAMPLE COLLECTION TIME: 1124

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Back yard

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: HP0066B-CS-SP

GPS Coordinates: Trimble	X	Instrument #:	018954	Logged?	Y	or N
Aliquot #1: Latitude:	33.56414834°	N Longitude	86.79137605°	W		
Media description:	HP0066B-1	orange brown silt clay m wet				
Aliquot #2 Latitude:	33.56414504°	N Longitude	86.79145108°	W		
Media description:	HP0066B-2	same soil				
Aliquot #3: Latitude:	33.56424737°	N Longitude	86.79141277°	W		
Media description:	HP0066B-3	same soil				
Aliquot #4: Latitude:	33.56433837°	N Longitude	86.79135510°	W		
Media description:	HP0066B-4	orange brown silt clay m wet/ orange clay				
Aliquot #5: Latitude:	33.56432867°	N Longitude	86.79144609°	W		
Media description:	HP0066B-5	orange brown silt clay m wet w/ orange clay				

This address was incorrectly appended to this Property - (HP-027). The property was surveyed, even after speaking with the owners (who do have other properties within the study area), but this property is outside of the study area and has no access agreement.

ADDRESS: (b) (6)

PROPERTY ID: HTP-0127

DATE: 01/09/2013

ARRIVAL TIME: 1325

Other pertinent information (weather conditions, etc.):

57° Cloudy 87% humidity winds NE 6 MPH

PROPERTY COMMENTS: raining then turning to drizzle, then stopped

Therefore,
these samples
will be
thrown out.

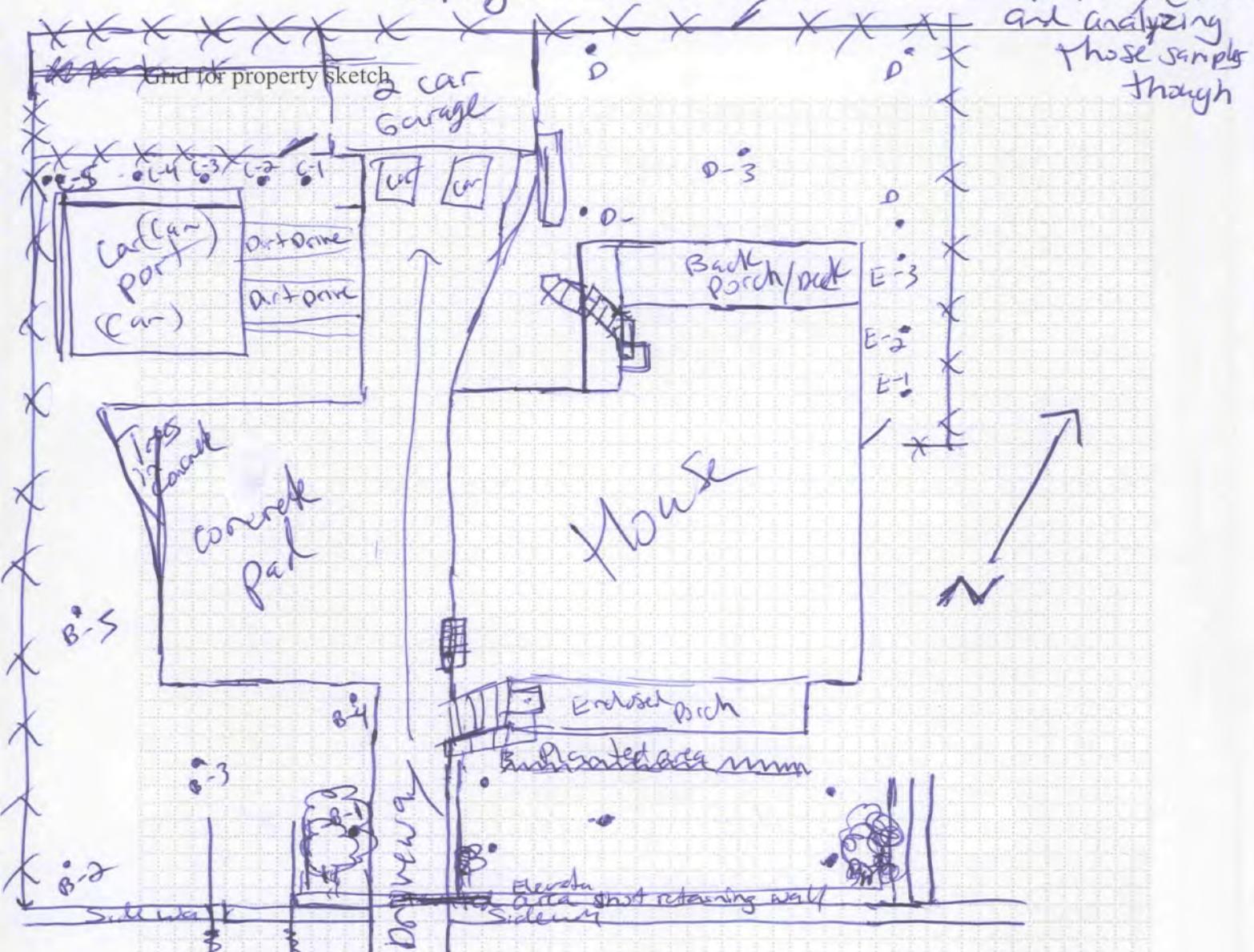
No vegetable garden, no playsets

(b) (6)

(b) (6)

on 1/10/13 - He told

(-5 to house 64 feet) never the samples taken for this property are being thrown out & will not be analyzed. We will be sampling 3655 42nd Avenue N - other property (HPO10)



(b) (6)

STATION ID: HP0127-A

SAMPLE ID: HP0127-A-CS

SAMPLE COLLECTION TIME: 1430

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Front yard

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: HP0127A-CS-SP

GPS Coordinates: Trimble <input checked="" type="checkbox"/> Instrument #:	<u>018954</u>	Logged? <u>Y</u> or N
Aliquot #1: Latitude:	<u>33.55019302°</u>	N Longitude <u>86.82754727° W</u>
Media description:	<u>HP0127A-1</u>	<u>Brown silt m-f damp</u>
Aliquot #2 Latitude:	<u>33.55017679°</u>	N Longitude <u>86.82763250° W</u>
Media description:	<u>HP0127A-2</u>	<u>Same soil</u>
Aliquot #3: Latitude:	<u>33.55019806°</u>	N Longitude <u>86.82759770° W</u>
Media description:	<u>HP0127A-3</u>	<u>Same soil</u>
Aliquot #4: Latitude:	<u>33.550221</u>	N Longitude <u>86.827564 W</u>
Media description:	<u>HP0127A-4</u>	<u>Same soil</u>
Aliquot #5: Latitude:	<u>33.5502</u>	N Longitude <u>86.82765 W</u>
Media description:	<u>HP0127A-5</u>	<u>Same soil</u>

STATION ID: HP0127-B

SAMPLE ID: HP0127B-CS

SAMPLE COLLECTION TIME: 1428

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Side yard Front part of SW side yard

Collection: Composite or Grab

MS/MSD? Y or N

GPS Coordinates: Trimble <input checked="" type="checkbox"/> Instrument #:	<u>018954</u>	Logged? <u>Y</u> or N
Aliquot #1: Latitude:	<u>33.55016384°</u>	N Longitude <u>86.82767436° W</u>
Media description:	<u>HP0127B-1</u>	<u>1 ft brown to brown silty clay m damp</u>
Aliquot #2 Latitude:	<u>33.55012852°</u>	N Longitude <u>86.82779223° W</u>
Media description:	<u>HP0127B-2</u>	<u>Same soil</u>
Aliquot #3: Latitude:	<u>33.55017490°</u>	N Longitude <u>86.82775892° W</u>
Media description:	<u>HP0127B-3</u>	<u>Same soil</u>
Aliquot #4: Latitude:	<u>33.55021949°</u>	N Longitude <u>86.82770386° W</u>
Media description:	<u>HP0127B-4</u>	<u>Same soil</u>
Aliquot #5: Latitude:	<u>33.55023164°</u>	N Longitude <u>86.82784401° W</u>
Media description:	<u>HP0127B-5</u>	<u>Same soil</u>

(b) (6)

ADDRESS: _____

PROPERTY ID: HIPa27(Con)

DATE: 01/10/2013

ARRIVAL TIME: _____

Other pertinent information (weather conditions, etc.):

PROPERTY COMMENTS:

Grid for property sketch

Sketch or pg 42

STATION ID: HP0127C

SAMPLE ID: HP0127C-CS

SAMPLE COLLECTION TIME: 1422

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Back part of SW side yard (N of car port)

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: HP0127C-CS-SP

GPS Coordinates:	Trimble <input checked="" type="checkbox"/> Instrument #:	<u>a8954</u>	Logged?	<input checked="" type="checkbox"/> Y or N
Aliquot #1:	Latitude:	<u>33.55042979°</u>	N Longitude	<u>86.82778449°</u> W
	Media description:	<u>HP0127C-1</u>	<u>It's brown to brown silt clay in damp</u>	
Aliquot #2	Latitude:	<u>33.55042408°</u>	N Longitude	<u>86.82782155°</u> W
	Media description:	<u>HP0127C-2</u>	<u>Same soil</u>	
Aliquot #3:	Latitude:	<u>33.55040931°</u>	N Longitude	<u>86.82785360°</u> W
	Media description:	<u>HP0127C-3</u>	<u>Same soil</u>	
Aliquot #4:	Latitude:	<u>33.55040156°</u>	N Longitude	<u>86.82788480°</u> W
	Media description:	<u>HP0127C-4</u>	<u>Same soil</u>	
Aliquot #5:	Latitude:	<u>33.55038383°</u>	N Longitude	<u>86.82792066°</u> W
	Media description:	<u>HP0127C-5</u>	<u>Same soil</u>	

STATION ID: HP0127D

SAMPLE ID: HP0127C-CS

SAMPLE COLLECTION TIME: 1416

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Back yard (behind house & back deck)

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: _____

GPS Coordinates:	Trimble <input checked="" type="checkbox"/> Instrument #:	<u>028954</u>	Logged?	<input checked="" type="checkbox"/> Y or N
Aliquot #1:	Latitude:	<u>33.55044279°</u>	N Longitude	<u>86.82761672°</u> W
	Media description:	<u>HP0127D-1</u>	<u>Brown silt clay in damp</u>	
Aliquot #2	Latitude:	<u>33.55041023°</u>	N Longitude	<u>86.82768655°</u> W
	Media description:	<u>HP0127D-2</u>	<u>same soil</u>	
Aliquot #3:	Latitude:	<u>33.55048802°</u>	N Longitude	<u>86.82766947°</u> W
	Media description:	<u>HP0127D-3</u>	<u>same soil</u>	
Aliquot #4:	Latitude:	<u>33.55053533°</u>	N Longitude	<u>86.82766189°</u> W
	Media description:	<u>HP0127D-4</u>	<u>same soil</u>	
Aliquot #5:	Latitude:	<u>33.55052185°</u>	N Longitude	<u>86.82772031°</u> W
	Media description:	<u>HP0127D-5</u>	<u>same soil</u>	

(b) (6)

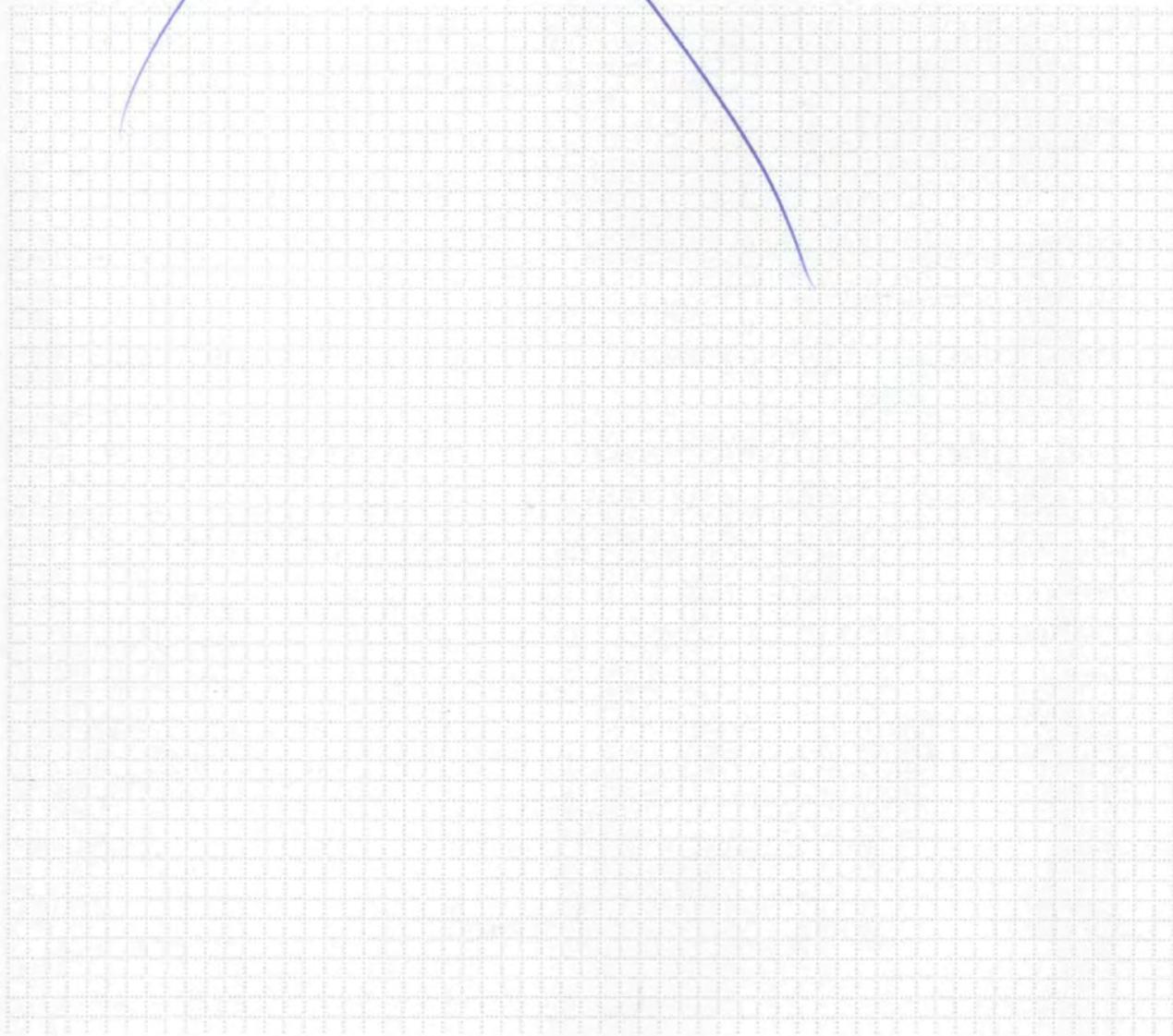
ADDRESS: _____ PROPERTY ID: _____

DATE: 1/04/2013 ARRIVAL TIME: _____

Other pertinent information (weather conditions, etc.):

PROPERTY COMMENTS:

Grid for property sketch



~~STATION ID:~~ HPO127E

~~SAMPLE ID:~~ HPO127E-CS

~~SAMPLE COLLECTION TIME:~~ 1410

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):
Side yard (NE)

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: HPO127E-CS-SP

GPS Coordinates: Trimble [X] Instrument #:	<u>018954</u>	Logged? <u>Y</u> or N
Aliquot #1: Latitude:	<u>33.55036935°</u>	N Longitude <u>86.82758027°</u> W
Media description:	<u>Burn silt clay mud</u>	
Aliquot #2 Latitude:	<u>33.55039786°</u>	N Longitude <u>86.82759849°</u> W
Media description:	<u>Shrubs</u>	
Aliquot #3: Latitude:	<u>33.55042795°</u>	N Longitude <u>86.82761168°</u> W
Media description:	<u>Shrub</u>	
Aliquot #4: Latitude:		N Longitude
Media description:		
Aliquot #5: Latitude:		N Longitude
Media description:		

~~STATION ID:~~ _____ ~~SAMPLE ID:~~ _____

~~SAMPLE COLLECTION TIME:~~ _____

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: _____

GPS Coordinates: Trimble [] Instrument #:	Logged? Y or N	
Aliquot #1: Latitude:	N Longitude	W
Media description:		
Aliquot #2 Latitude:	N Longitude	W
Media description:		
Aliquot #3: Latitude:	N Longitude	W
Media description:		
Aliquot #4: Latitude:	N Longitude	W
Media description:		
Aliquot #5: Latitude:	N Longitude	W
Media description:		

(b) (6)

ADDRESS:

PROPERTY ID: HP 0060

DATE: 01/09/2013

ARRIVAL TIME: 1530

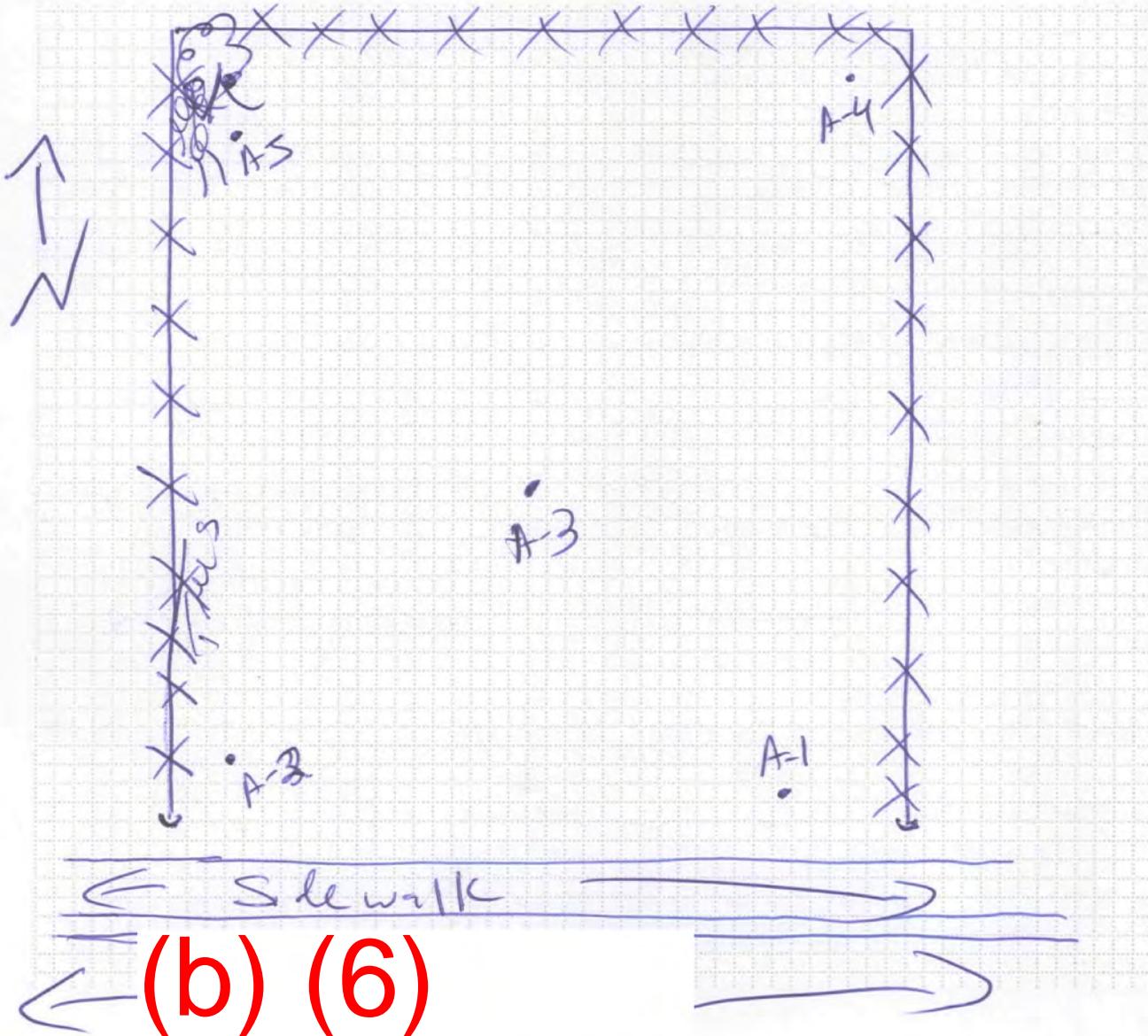
Other pertinent information (weather conditions, etc.):

58° cloudy 86% humidity winds ENE @ 8 mph

PROPERTY COMMENTS: Vacant lot

Appears to have formerly been a vegetable garden, ^{lot}_(to the east) adjacent is still an active vegetable garden
No play set

Grid for property sketch



STATION ID: HP0060ASAMPLE ID: HP0060A-CSSAMPLE COLLECTION TIME: 1632

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

South side of parcelCollection: Composite or GrabMS/MSD? Y or NField Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: HP0060A-CS-SP

GPS Coordinates:	Trimble [X]	Instrument #:	<u>018594</u>	Logged?	<input checked="" type="radio"/> Y or <input type="radio"/> N
Aliquot #1:	Latitude: <u>33.56406462°</u>	N Longitude	<u>86.79234339°</u>	W	
	Media description:	<u>HP0060A-1</u>	<u>orange bwn sly clay m wet</u>		
Aliquot #2:	Latitude: <u>33.56407233°</u>	N Longitude	<u>86.79244688°</u>	W	
	Media description:	<u>HP0060A-2</u>	<u>Sme soil</u>		
Aliquot #3:	Latitude: <u>33.56412293°</u>	N Longitude	<u>86.79238135°</u>	W	
	Media description:	<u>HP0060A-3</u>	<u>Sme soil</u>		
Aliquot #4:	Latitude: <u>33.56419454°</u>	N Longitude	<u>86.79233171°</u>	W	
	Media description:	<u>HP0060A-4</u>	<u>Sme soil</u>		
Aliquot #5:	Latitude: <u>33.56418826°</u>	N Longitude	<u>86.79243315°</u>	W	
	Media description:	<u>HP0060A-5</u>	<u>Sme soil</u>		

STATION ID: HP0060BSAMPLE ID: HP0060B-CSSAMPLE COLLECTION TIME: 1629

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

North 1/2 of parcelCollection: Composite or GrabMS/MSD? Y or NField Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: HP0060B-CS-SP

GPS Coordinates:	Trimble [X]	Instrument #:	<u>018594</u>	Logged?	<input checked="" type="radio"/> Y or <input type="radio"/> N
Aliquot #1:	Latitude: <u>33.56421084°</u>	N Longitude	<u>86.79233558°</u>	W	
	Media description:	<u>HP0060B-1</u>	<u>orange bwn sly clay m wet</u>		
Aliquot #2:	Latitude: <u>33.56419846°</u>	N Longitude	<u>86.79243924°</u>	W	
	Media description:	<u>HP0060B-2</u>	<u>Sme soil</u>		
Aliquot #3:	Latitude: <u>33.56428488°</u>	N Longitude	<u>86.79237987°</u>	W	
	Media description:	<u>HP0060B-3</u>	<u>Sme soil</u>		
Aliquot #4:	Latitude: <u>33.56435251°</u>	N Longitude	<u>86.79233493°</u>	W	
	Media description:	<u>HP0060B-4</u>	<u>Sme soil</u>		
Aliquot #5:	Latitude: <u>33.56437513°</u>	N Longitude	<u>86.79244811°</u>	W	
	Media description:	<u>HP0060B-5</u>	<u>Sme soil</u>		

(b) (6)

ADDRESS: _____

PROPERTY ID: CV-0025

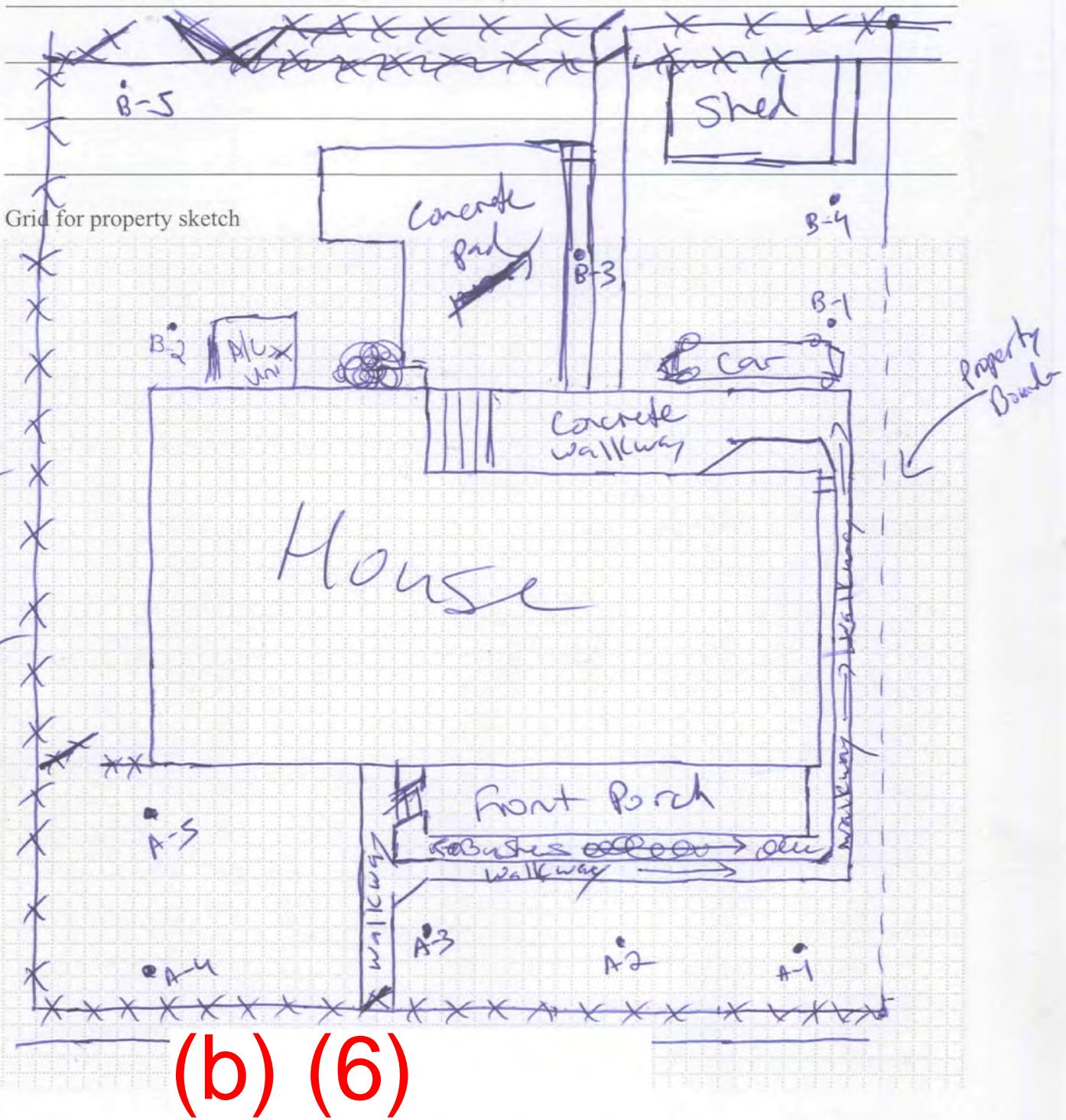
DATE: 01/10/2013

ARRIVAL TIME: 0854

Other pertinent information (weather conditions, etc.):

60° Fog 93% humidity winds E @ 4 MPH

PROPERTY COMMENTS: No vegetable garden no playsets



STATION ID: CN0025A SAMPLE ID: CN0025A-CS

SAMPLE COLLECTION TIME: 0932

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Front yard

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID:

GPS Coordinates: Trimble [X] Instrument #:	018954	Logged? <input checked="" type="checkbox"/> or N
Aliquot #1: Latitude:	33.55774244°	N Longitude 86.80678522° W
Media description:	CN0025A-1 OK bwn silt m-f wet w/ coal fragments	
Aliquot #2 Latitude:	33.55770277°	N Longitude 86.80678837° W
Media description:	CN0025A-2 Same soil	
Aliquot #3: Latitude:	33.55766708°	N Longitude 86.80679300° W
Media description:	CN0025A-3 59 m soil	
Aliquot #4: Latitude:	33.55762779°	N Longitude 86.80678388° W
Media description:	CN0025A-4 Same soil	
Aliquot #5: Latitude:	33.55762419°	N Longitude 86.80682738° W
Media description:	CN0025A-5 Same soil	

STATION ID: CV0025B- SAMPLE ID: CV0025B-CS

SAMPLE COLLECTION TIME: 0927

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Back yard

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID:

GPS Coordinates: Trimble [X] Instrument #:	018954	Logged? <input checked="" type="checkbox"/> or N
Aliquot #1: Latitude:	33.55775363°	N Longitude 86.80697680° W
Media description:	CN0025B-1 OK bwn silt m-f act w/ coal fragments	
Aliquot #2 Latitude:	33.55763162°	N Longitude 86.80699010° W
Media description:	CN0025B-2 same soil	
Aliquot #3: Latitude:	33.55770991°	N Longitude 86.80700813° W
Media description:	CN0025B-3 same soil	
Aliquot #4: Latitude:	33.55775558°	N Longitude 86.80701954° W
Media description:	CN0025B-4 same soil	
Aliquot #5: Latitude:	33.55764293°	N Longitude 86.80708485° W
Media description:	CN0025B-5 same soil	

(b) (6)

ADDRESS:

DATE: 01/10/2013

PROPERTY ID: CV0026

ARRIVAL TIME: 0945

Other pertinent information (weather conditions, etc.):

62° Fog, sprinkling rain, 94% humidity, winds E @ 4 mph

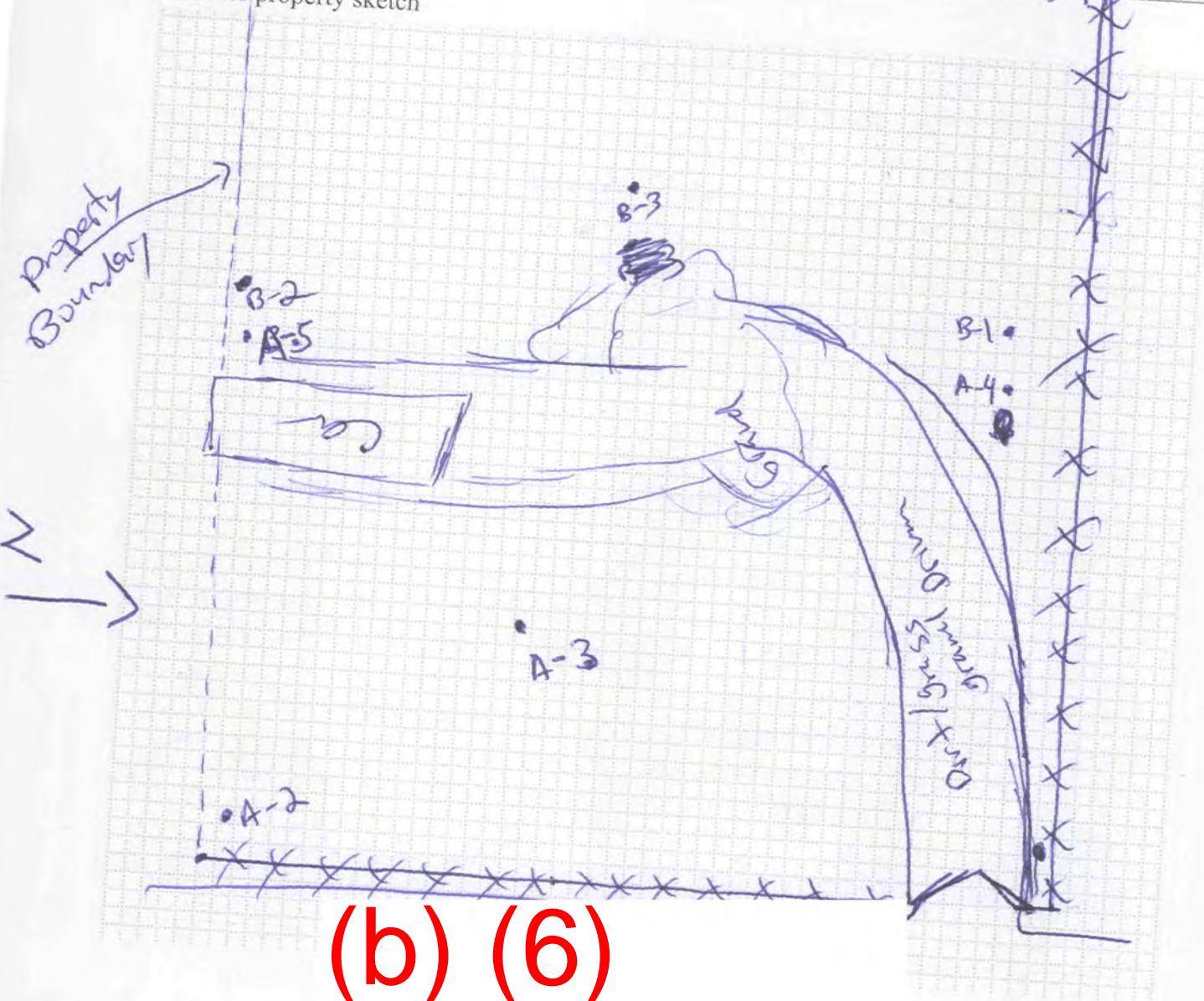
PROPERTY COMMENTS:

(Mostly) Vacant lot adjacent to 3354 house (CV0025)
 (Mostly used for driveway and parking) Formerly had a house on it, according
 to owner of parcels

B-5

B-4

Grid for property sketch



STATION ID: CW0026A SAMPLE ID: CW0026A-CS

SAMPLE COLLECTION TIME: 1025

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

East 1/2 ~~back~~ of parcel

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID:

GPS Coordinates: Trimble <input checked="" type="checkbox"/>	Instrument #: 018954	Logged? <input type="radio"/> Y or N
Aliquot #1: Latitude: 33.55789847°	N Longitude 86.80678491°	W
Media description: CW0026A-1	OK bwn sly clay m-c wet	
Aliquot #2: Latitude: 33.55777255°	N Longitude 86.80678143°	W
Media description: CW0026A-2	Peddish Bwn w/orange clay c drsp	
Aliquot #3: Latitude: 33.55782209°	N Longitude 86.80685700°	W
Media description: CW0026A-3	Peddish Bwn w/orange clay c drsp	
Aliquot #4: Latitude: 33.55788381°	N Longitude 86.80690545°	W
Media description: CW0026A-4	OK bwn sly clay m-c wet	
Aliquot #5: Latitude: 33.55777646°	N Longitude 86.80691977°	W
Media description: CW0026A-5	Peddish Bwn w/orange clay c drsp	

STATION ID: CW0026B SAMPLE ID: CW0026B-CS

SAMPLE COLLECTION TIME: 1017

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

West half of parcel

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID:

GPS Coordinates: Trimble <input checked="" type="checkbox"/>	Instrument #: 018954	Logged? <input type="radio"/> Y or N
Aliquot #1: Latitude: 33.55777682°	N Longitude 86.80695262°	W
Media description: CW0026B-1	OK bwn sly clay w/ coal m-c wet	
Aliquot #2: Latitude: 33.55788071°	N Longitude 86.80694380°	W
Media description: CW0026B-2	Peddish Bwn clay m-c wet	
Aliquot #3: Latitude: 33.55783628°	N Longitude 86.80699363°	W
Media description: CW0026B-3	Peddish Bwn clay m-c wet	
Aliquot #4: Latitude: 33.55790026°	N Longitude 86.80708209°	W
Media description: CW0026B-4	OK bwn sly clay w/ coal m-c wet	
Aliquot #5: Latitude: 33.55778258°	N Longitude 86.80708879°	W
Media description: CW0026B-5	OK bwn sly clay w/ coal m-c wet	

(b) (6)

ADDRESS: _____ PROPERTY ID: W0420

DATE: 01/10/2013 ARRIVAL TIME: 10:52

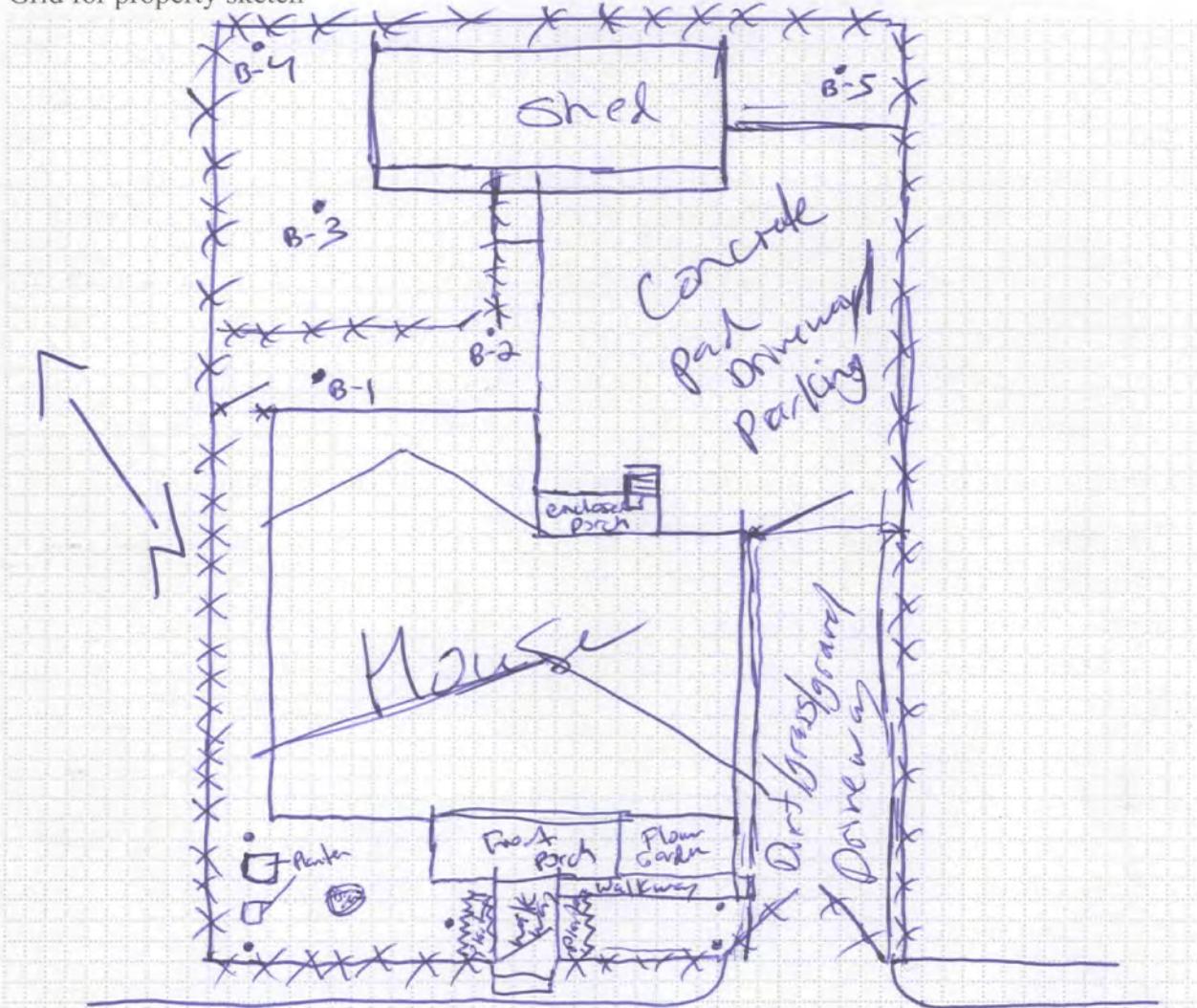
Other pertinent information (weather conditions, etc.):

63° Fog, 100% humidity wind E @ 7 MPH

PROPERTY COMMENTS:

No vegetable gardens lots of planters and
plants/flowers all over, No play set

Grid for property sketch



(b) (6)

STATION ID: CN0420A SAMPLE ID: CN0420A-CS

SAMPLE COLLECTION TIME: 1125

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Front Yard

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID:

GPS Coordinates: Trimble [X]	Instrument #: <u>08954</u>	Logged? <input checked="" type="radio"/> Y or N
Aliquot #1: Latitude: <u>33.55920037°</u>	N Longitude <u>86.79929011°</u>	W
Media description: <u>CN0420A-1</u>	<u>Brown Silt m damp w/coal fragments</u>	
Aliquot #2: Latitude: <u>33.55924547°</u>	N Longitude <u>86.79934393°</u>	W
Media description: <u>CN0420A-2</u>	<u>Same soil</u>	
Aliquot #3: Latitude: <u>33.55922997°</u>	N Longitude <u>86.79930743°</u>	W
Media description: <u>CN0420A-3</u>	<u>Same soil</u>	
Aliquot #4: Latitude: <u>33.55921963°</u>	N Longitude <u>86.79926666°</u>	W
Media description: <u>CN0420A-4</u>	<u>Same soil</u>	
Aliquot #5: Latitude: <u>33.55927310°</u>	N Longitude <u>86.79931607°</u>	W
Media description: <u>CN0420A-5</u>	<u>Same soil</u>	

STATION ID: CN0420B SAMPLE ID: CN0420B-CS

SAMPLE COLLECTION TIME: 1133

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Back yard

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CN0420B-CS D

GPS Coordinates: Trimble [X]	Instrument #: <u>08954</u>	Logged? <input checked="" type="radio"/> Y or N
Aliquot #1: Latitude: <u>33.55937001°</u>	N Longitude <u>86.79919653°</u>	W
Media description: <u>CN0420B-1</u>	<u>Brown mulch/silt m damp w/coal fragm</u>	
Aliquot #2: Latitude: <u>33.55938496°</u>	N Longitude <u>86.79914423°</u>	W
Media description: <u>CN0420B-2</u>	<u>Same soil</u>	
Aliquot #3: Latitude: <u>33.55941410°</u>	N Longitude <u>86.79914702°</u>	W
Media description: <u>CN0420B-3</u>	<u>Same soil</u>	
Aliquot #4: Latitude: <u>33.55945566°</u>	N Longitude <u>86.79912093°</u>	W
Media description: <u>CN0420B-4</u>	<u>Same soil</u>	
Aliquot #5: Latitude: <u>33.55938223°</u>	N Longitude <u>86.79905249°</u>	W
Media description: <u>CN0420B-5</u>	<u>Same soil</u>	

(b) (6)

ADDRESS:

PROPERTY ID: CW-0537

DATE: 01/10/2013

ARRIVAL TIME: 0142

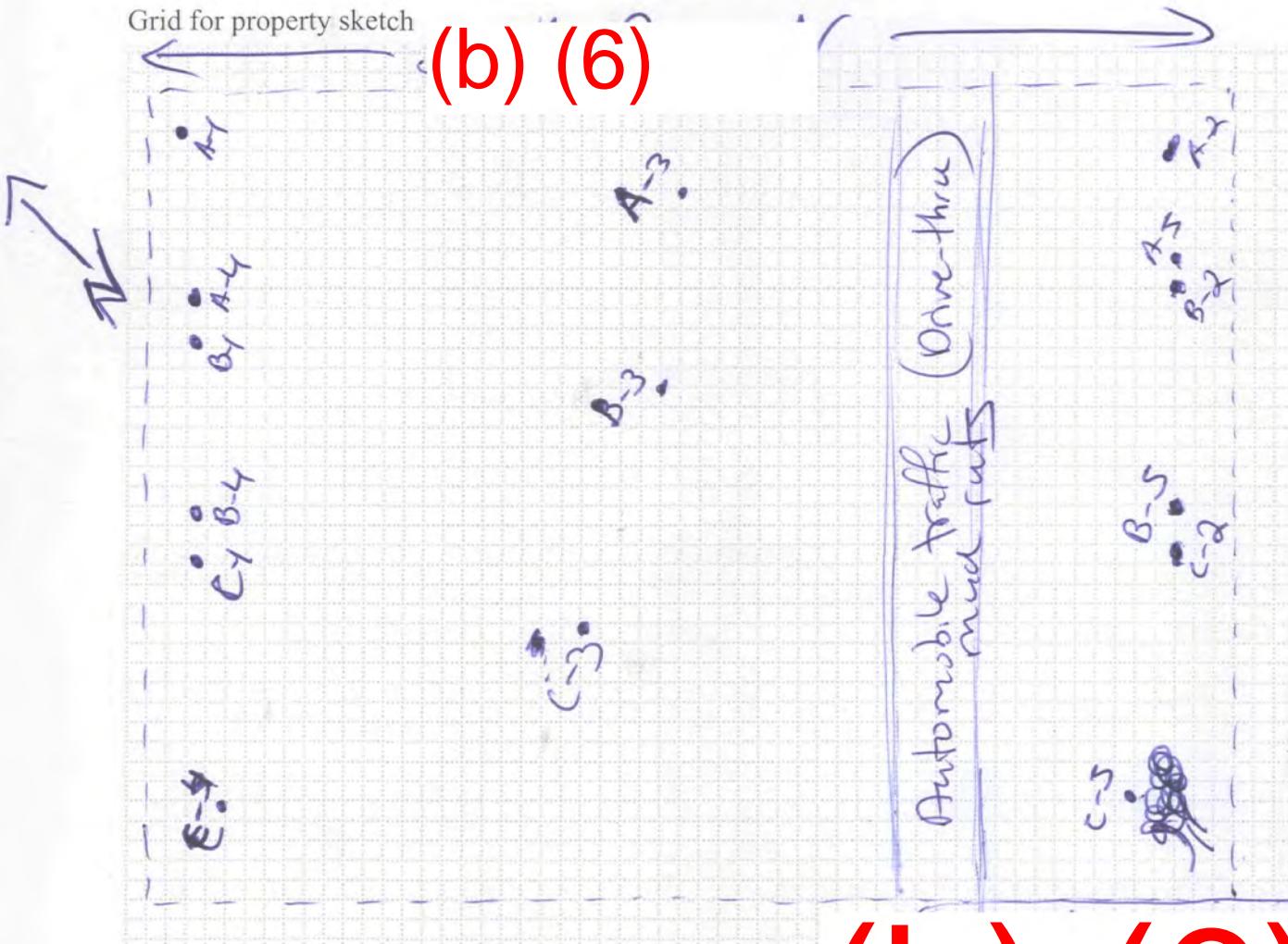
Other pertinent information (weather conditions, etc.):

65° cloudy 93% humidity Winds: ESE@9MPH

PROPERTY COMMENTS:

Vacant lot - corner boundaries ping flagged
Divided into 3 sections → per Rule 3; if over $\frac{1}{4}$ acre,
divide into $\frac{1}{4}$ acres (Total area = 25,314 sq ft.)
(40.890 sq ft)

Grid for property sketch



(b) (6)

STATION ID: CV0537A

SAMPLE ID: CV0537A-CS

SAMPLE COLLECTION TIME: 1438

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

NE 1/3 of parcel

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID:

GPS Coordinates: Trimble <input checked="" type="checkbox"/>	Instrument #: A8954	Logged? <input checked="" type="checkbox"/> Y or N
Aliquot #1: Latitude: 33.56217009°	N Longitude 86.79958801°	W
Media description: CV0537A-1	H Bwn to Bwn sly clay m wet	
Aliquot #2 Latitude: 33.56191413°	N Longitude 86.79924170°	W
Media description: CV0537A-2	Gray black sly clay c wet	
Aliquot #3: Latitude: 33.56201861°	N Longitude 86.79947187°	W
Media description: CV0537A-3	H bwn to bwn sly clay m wet	
Aliquot #4: Latitude: 33.56211469°	N Longitude 86.79963429°	W
Media description: CV0537A-4		
Aliquot #5: Latitude: 33.56184445°	N Longitude 86.79932499°	W
Media description: CV0537A-5		

STATION ID: CV0537B

SAMPLE ID: CV0537B-CS

SAMPLE COLLECTION TIME: 1427

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Center 1/3 of parcel

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID:

GPS Coordinates: Trimble <input checked="" type="checkbox"/>	Instrument #: A8954	Logged? <input checked="" type="checkbox"/> Y or N
Aliquot #1: Latitude: 33.56209987°	N Longitude 86.79966400°	W
Media description: CV0537B-1	Bwn sly clay m-c wet	
Aliquot #2 Latitude: 33.56182839°	N Longitude 86.79933886°	W
Media description: CV0537B-2	Bwn sly clay m-c w/orange clay wot w/grand	
Aliquot #3: Latitude: 33.56195746°	N Longitude 86.7995306°	W
Media description: CV0537B-3	Bwn sly clay nc w/ orange clay wot w/c 2nd fragments	
Aliquot #4: Latitude: 33.56201992°	N Longitude 86.79974137°	W
Media description: CV0537B-4	Bwn sly clay m-c wet w/c old frag w/ 2nd fragments	
Aliquot #5: Latitude: 33.56176962°	N Longitude 86.79941315°	W
Media description: CV0537B-5	Bwn sly clay m wet	

(b) (6)

ADDRESS: _____ PROPERTY ID: CNU537 (con.)

DATE: 01/10/2013 ARRIVAL TIME: _____

Other pertinent information (weather conditions, etc.):

PROPERTY COMMENTS:

Grid for property sketch

Sketch on pg 56

STATION ID: CN0537 C SAMPLE ID: CN0537 E-CS

SAMPLE COLLECTION TIME: 1428

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

SW 1/3 of parcel

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or If yes, indicate Duplicate/split sample station ID:

GPS Coordinates: Trimble []	Instrument #: 018954	Logged? <input checked="" type="radio"/> Y or N
Aliquot #1: Latitude: 33.56200475°	N Longitude 86-56200475°	W 79975834°
Media description: CN0537C-1	Bunt & brown Silt damp w/ coal fragments	
Aliquot #2 Latitude: 33.56175687°	N Longitude 86-79943336°	W
Media description: CN0537C-2	Same soil	
Aliquot #3: Latitude: 33-56189008°	N Longitude 86-79966556°	W
Media description: CN0537C-3	same soil	
Aliquot #4: Latitude: 33-56192298°	N Longitude 86-79986962°	W
Media description: CN0537C-4	Same soil	
Aliquot #5: Latitude: 33-56188345°	N Longitude 86-79955203°	W
Media description: CN0537C-5	Same soil	

STATION ID: _____ SAMPLE ID: _____

SAMPLE COLLECTION TIME: _____

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or If yes, indicate Duplicate/split sample station ID: _____

GPS Coordinates: Trimble []	Instrument #: _____	Logged? Y or N
Aliquot #1: Latitude: _____	N Longitude _____	W _____
Media description: _____		
Aliquot #2: Latitude: _____	N Longitude _____	W _____
Media description: _____		
Aliquot #3: Latitude: _____	N Longitude _____	W _____
Media description: _____		
Aliquot #4: Latitude: _____	N Longitude _____	W _____
Media description: _____		
Aliquot #5: Latitude: _____	N Longitude _____	W _____
Media description: _____		

(b) (6)

ADDRESS:

PROPERTY ID: CN 0538

DATE: 01/10/2013

ARRIVAL TIME: 04:50

Other pertinent information (weather conditions, etc.):

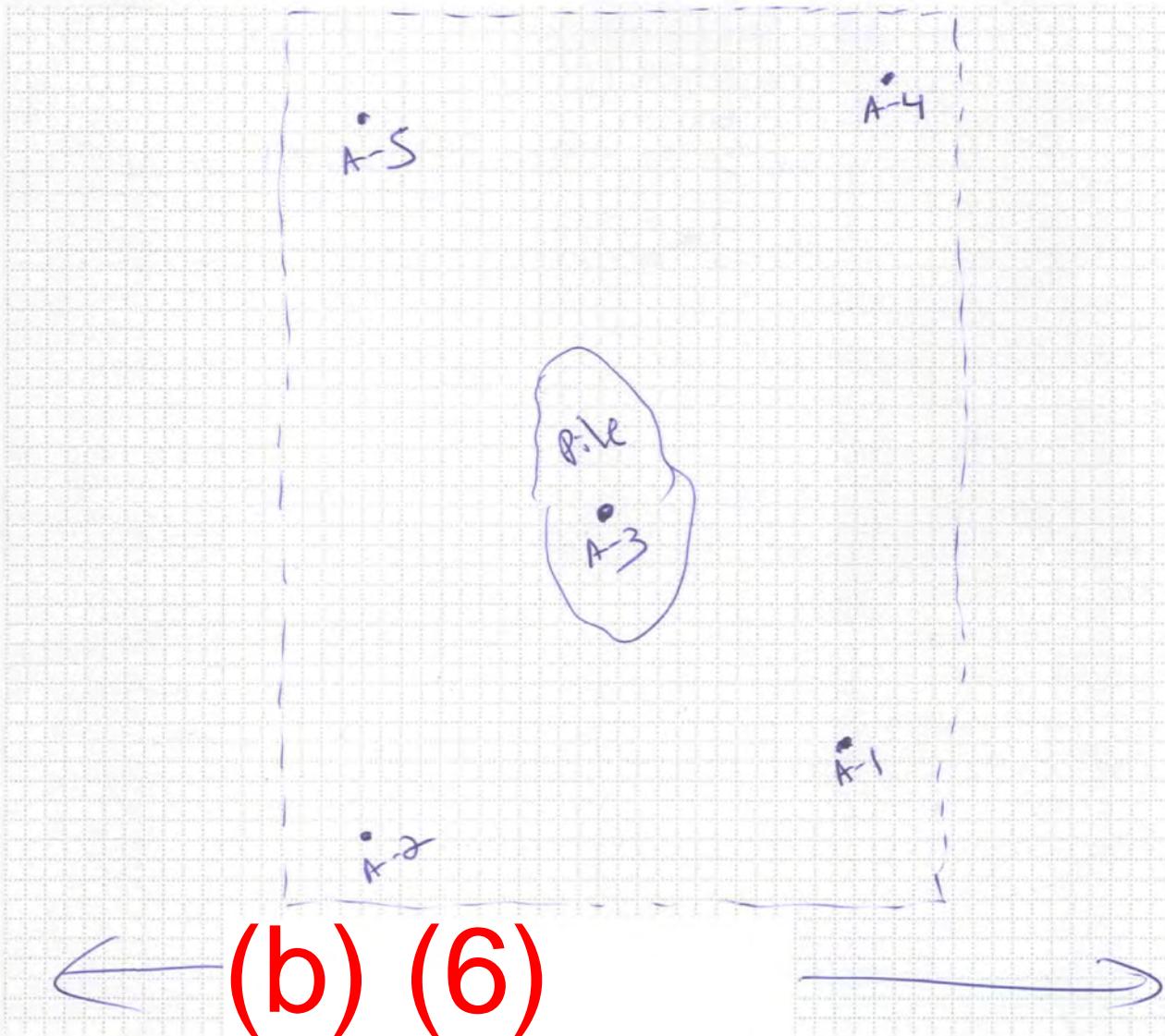
65° Cloudy 94% humidity, winds ESE @ 8 MPH
Slight drizzle upon beginning of sampling

PROPERTY COMMENTS:

Vacant lot

trash and debris under leaf piles throughout
parcel and lots of cuts and puddles

Grid for property sketch



STATION ID: CV0538A SAMPLE ID: CV0538A-CS

SAMPLE COLLECTION TIME: 1520

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

whole parcel

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID:

GPS Coordinates: Trimble <input checked="" type="checkbox"/> Instrument #: <u>018954</u>	Logged? <input checked="" type="checkbox"/> Y or N
Aliquot #1: Latitude: <u>33.56226369°</u>	N Longitude <u>86.79979687°</u> W
Media description: <u>CV0538A-1</u>	<u>Bwn silt clay m-f</u>
Aliquot #2: Latitude: <u>33.56225554°</u>	N Longitude <u>86.79973516°</u> W
Media description: <u>CV0538A-2</u>	<u>Bwn silt clay m-f w/red clay m-c wet</u>
Aliquot #3: Latitude: <u>33.56213390°</u>	N Longitude <u>86.79989737°</u> W
Media description: <u>CV0538A-3</u>	<u>w/gravel</u>
Aliquot #4: Latitude: <u>33.56200869°</u>	N Longitude <u>86.80010096°</u> W
Media description: <u>CV0538A-4</u>	<u>Bwn silt clay f layer over orange clay c</u>
Aliquot #5: Latitude: <u>33.56200034°</u>	N Longitude <u>86.80002801°</u> W
Media description: <u>CV0538A-5</u>	<u>wet</u>
	<u>Bwn silt clay f layer over orange clay c</u>
	<u>wet</u>

STATION ID: _____ SAMPLE ID: _____

SAMPLE COLLECTION TIME: _____

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID:

GPS Coordinates: Trimble [] Instrument #:	Logged? Y or N
Aliquot #1: Latitude: _____	N Longitude _____ W
Media description: _____	_____
Aliquot #2: Latitude: _____	N Longitude _____ W
Media description: _____	_____
Aliquot #3: Latitude: _____	N Longitude _____ W
Media description: _____	_____
Aliquot #4: Latitude: _____	N Longitude _____ W
Media description: _____	_____
Aliquot #5: Latitude: _____	N Longitude _____ W
Media description: _____	_____

(b) (6)

ADDRESS: _____

PROPERTY ID: CV0270

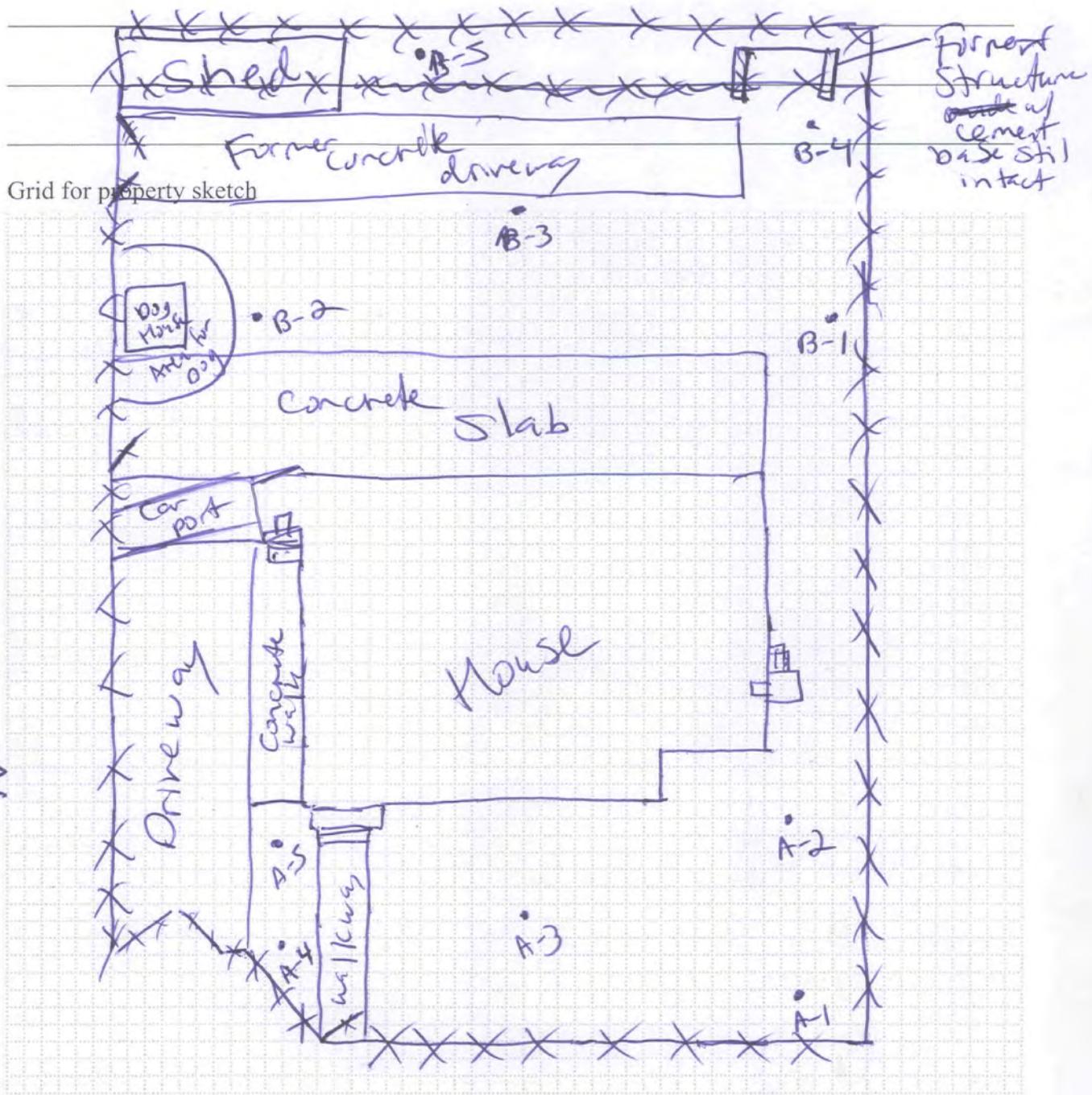
DATE: 01/10/2013

ARRIVAL TIME: 1534

Other pertinent information (weather conditions, etc.):

66° cloudy 94% humidity, winds ESE @ 6 MPH

PROPERTY COMMENTS:



STATION ID: CN0270A

SAMPLE ID: CN0270A-18

SAMPLE COLLECTION TIME: 1604

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Front yard

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID:

GPS Coordinates: Trimble [X] Instrument #:	018951	Logged? <input checked="" type="checkbox"/> Y or <input type="checkbox"/> N
Aliquot #1: Latitude:	33.55835374°	N Longitude 86.80316455 W
Media description:	CN0270A-1	Bk sly clay f wet
Aliquot #2 Latitude:	33.55827368°	N Longitude 86.80316905° W
Media description:	CN0270A-2	
Aliquot #3: Latitude:	33.55831894°	N Longitude 86.80318504° W
Media description:	CN0270A-3	
Aliquot #4: Latitude:	33.55835519°	N Longitude 86.80321292° W
Media description:	CN0270A-4	
Aliquot #5: Latitude:	33.55827881°	N Longitude 86.80321431° W
Media description:	CN0270A-5	

STATION ID: CN0270B

SAMPLE ID: CN0270B-15

SAMPLE COLLECTION TIME: 1614

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Back yard

Collection: Composite or Grab

MS/MSD? Y or N

GPS Coordinates: Trimble [X] Instrument #:	018594	Logged? <input checked="" type="checkbox"/> Y or <input type="checkbox"/> N
Aliquot #1: Latitude:	33.55836896°	N Longitude 86.80344167° W
Media description:	CN0270B-1	Bwn sly clay f wet
Aliquot #2 Latitude:	33.55829309°	N Longitude 86.80344386° W
Media description:	CN0270B-2	same soil
Aliquot #3: Latitude:	33.55832581°	N Longitude 86.80349029° W
Media description:	CN0270B-3	same soil
Aliquot #4: Latitude:	33.55837177°	N Longitude 86.80354595° W
Media description:	CN0270B-4	same soil
Aliquot #5: Latitude:	33.55829062°	N Longitude 86.80357002° W
Media description:	CN0270B-5	same soil

(b) (6)

ADDRESS:

PROPERTY ID: CV0896

DATE: 01/11/2013

ARRIVAL TIME: 0922

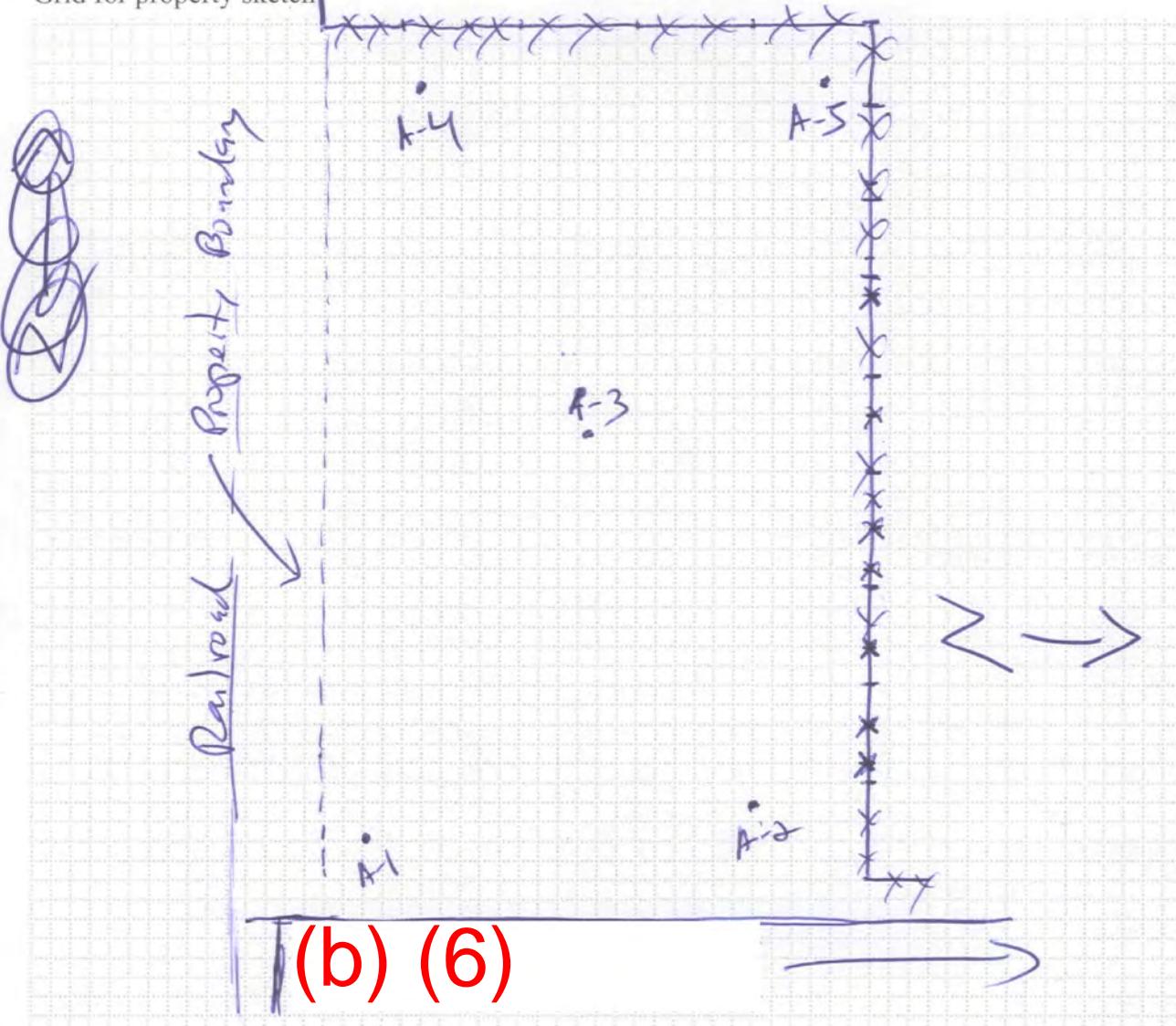
Other pertinent information (weather conditions, etc.):

64° cloudy 94% humidity

PROPERTY COMMENTS:

vacant lot, adjacent to RR tracks

Grid for property sketch



STATION ID: CN 0896A

SAMPLE ID: CN0896A-CS

SAMPLE COLLECTION TIME: 0958

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

whole parcel

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID:

GPS Coordinates: Trimble [X]	Instrument #:	018954	Logged? Y or N
Aliquot #1: Latitude:	33.55286428°	N Longitude	86.79920324° W
Media description:	CVO896A-1	Brown Slt m dmp w/slag	
Aliquot #2 Latitude:	33.55294350°	N Longitude	86.79919817° W
Media description:	CVO896A-2	Brown Slt m dmp	
Aliquot #3: Latitude:	33.55290830°	N Longitude	86.79933398° W
Media description:	CVO896A-3	Brown Slt m dmp	
Aliquot #4: Latitude:	33.55287791°	N Longitude	86.79944659° W
Media description:	CVO896A-4	orange Clay m dmp	
Aliquot #5: Latitude:	33.55295570°	N Longitude	86.79944586° W
Media description:	CVO896A-5	Brown Slt m dmp	

STATION ID: _____ SAMPLE ID: _____

SAMPLE COLLECTION TIME: _____

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID:

GPS Coordinates: Trimble []	Instrument #:	_____	Logged? Y or N
Aliquot #1: Latitude:	_____	N Longitude	_____ W
Media description:	_____	_____	
Aliquot #2 Latitude:	_____	N Longitude	_____ W
Media description:	_____	_____	
Aliquot #3: Latitude:	_____	N Longitude	_____ W
Media description:	_____	_____	
Aliquot #4: Latitude:	_____	N Longitude	_____ W
Media description:	_____	_____	
Aliquot #5: Latitude:	_____	N Longitude	_____ W
Media description:	_____	_____	